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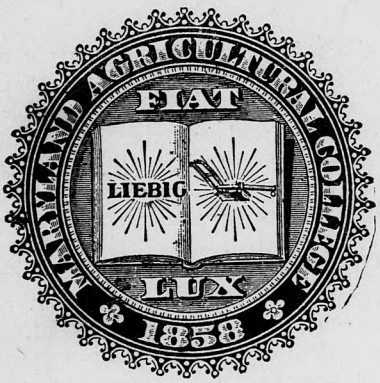


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**Issued in the Months of February, May, August and November.**

ADDRESS

**Chemical Department, Maryland Agricultural College,**

COLLEGE PARK, MD.

ANALYSIS OF

# Commercial Fertilizers Sold in Maryland

BY THE CHEMICAL DEPARTMENT OF

THE MARYLAND AGRICULTURAL COLLEGE.

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The tables on the following pages are made up of the results of the analysis of fertilizers made at the College from *February*, to *July*, *1906*, inclusive.

The majority of the samples analyzed are obtained by our sampling agents, the samples being taken while the goods are in transit, on vessels, wharves, cars, or stations, from farmers' wagons, barns, etc. It is impossible for us to analyze all the samples we collect; duplicates are generally omitted.

When a sample has been sent in by a farmer his name appears after the place of sampling. No sample is analyzed unless fully described on blanks furnished by this department. The description is not sent in, however, till after the analysis is reported.

No samples are accepted from manufacturers or their agents under any circumstances.

The figures in the columns headed "Ammonia," "Potash" and "Phosphoric Acid" are percentages, or pounds per hundred. To get pounds per ton multiply the figures by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential part of the guarantee as stamped on the bags.

The columns headed "No." contain the respective numbers by which the samples are known in the laboratory. In writing to the Chemical Department in regard to any analysis the number should always be given. The samples are numbered consecutively on the books of the office, but are arranged alphabetically for publication. which accounts for the mixing of the numbers.

To get "Total" phosphoric acid add the "Insoluble" to the "Available" phosphoric acid.

The "Comparative Value Found" and the "Comparative Value Guaranteed" are calculated, the former from the analysis found, the latter from the analysis guaranteed on the bags, using the following schedule:

| | |
|---|---|
| **In Mixed Fertilizer:** | |
| For Nitrogen, calculated as Ammonia | 17½ cts. per pound. |
| For potash ($K_2O$), in forms free from muriate | 6 cts. per pound. |
| For Potash ($K_2O$), as muriate, or Kainit | 5 cts. per pound. |
| For Available Phosphoric Acid | 5 cts. per pound. |
| For Insoluble Phosphoric Acid | 2 cts. per pound. |
| For Insoluble Phosphoric Acid when from S. C. Rock | 1 ct. per pound. |
| **In Dissolved S. C. Rock:** | |
| Available Phosphoric Acid | 4 cts. per pound. |
| **In Ground Bone:** | |
| For Nitrogen, calculated as Ammonia, in "Fine" Bone | 16 cts. per pound. |
| For Nitrogen, calculated as Ammonia, in "Fine Medium" Bone | 14 cts. per pound. |
| For Nitrogen, calculated as Ammonia, in "Medium" Bone | 12 cts. per pound. |
| For Nitrogen, calculated as Ammonia, in "Coarse" Bone | 10 cts. per pound. |
| For Phosphoric Acid in "Fine" Bone | 5 cts. per pound. |
| For Phosphoric Acid in "Fine Medium" Bone | 4 cts. per pound. |
| For Phosphoric Acid in "Medium" Bone | 3 cts. per pound. |
| For Phosphoric Acid in "Coarse" Bone | 2 cts. per pound. |
| **In Tankage and Ground Fish:** | |
| For Nitrogen, calculated as Ammonia | 15 cts. per pound. |
| For Phosphoric Acid | 3 cts. per pound. |

In using the above schedule *all fertilizers containing less than one per cent. of ammonia will be given the rock valuation of four cents per pound on the available phosphoric acid, and one cent per pound for the insoluble phosphoric acid.*

The "comparative values" given in the table are not claimed to be the proper prices to be paid for the various fertilizers at the place of sale or use; this varies considerably, depending on the market prices of the ingredients, freight, commissions, size of order, cash or credit, etc.

Sliding-scale guarantees (the use of a maximum as well as a minimum guarantee), as "ammonia 1 to 3 per cent." is unlawful. The penalty for the first offense is $100 fine.

It is unlawful to sell any brand of commercial fertilizer before the license for the same has been obtained from the Comptroller. When the license is paid by the manufacturer it is not necessary for his agents to obtain another license for the same brands. If, however, the manufacturer resides out of the State, and does not pay the license, each agent selling the goods or offering the same for sale is held responsible for the license.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler, when not the College.) |
|---|---|---|---|
| 15355 | American Agr'l Chemical Co., New York, N. Y. | Acme Fish Mixture..... | Baltimore..... |
| 15299 | " " " | Big Crop Phosphate..... | Cumberland..... |
| 15218 | " " " | Buyers' Choice 14% Acid Phosphate. | Baltimore..... |
| 15300 | " " " | Dissolved Animal Bone... | Cumberland..... |
| 15258 | " " " | Fine Ground Bone..... | Laurel..... |
| 15301 | " " " | Gem Alkaline Phosphate | Hancock..... |
| 15308 | " " " | Ideal Corn Grower..... | Taneytown..... |
| 15259 | " " " | Pure Ground Bone..... | Laurel..... |
| 15429 | " " " | Special Potash Mixture.. | Baltimore..... |
| 15310 | " " " | Square Deal Phosphate.. | Watervale..... |
| 15399 | " " " | Top Notch Phosphate.... | Baltimore..... |
| 15311 | " " " | Wide Awake Phosphate.. | Union Mills..... |
| 15219 | A. A. C. Co. (Canton), Baltimore, Md. | Baker's Dissolved S. C. Bone. | Baltimore..... |
| 15268 | " " " | Baker's Fish Guano..... | Pocomoke City.... |
| 15312 | " " " | Baker's Spe. Wheat, Corn and Grass Mixture. | Alesia..... |
| 15220 | " " " | Baker's Standard H. G. Guano. | Baltimore..... |
| 15400 | " " " | C. C. C. Special Compound. | Baltimore..... |
| 15356 | " " " | Eagle Phosphate..... | Baltimore..... |
| 15401 | " " " | Harrow Brand Crop Grower. | Baltimore..... |
| 15309 | " " " | Patrons' Bone Mixture... | Bel Air..... |
| 15221 | " " " | Potato Manure..... | Baltimore..... |
| 15402 | " " " | Soluble Alkaline Bone.... | Baltimore..... |
| 15357 | " " " | Soluble Bone and Potash | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH $K_2O$ | | PHOSPHORIC ACID | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed | Found. | Guaranteed | Found. | Guaranteed. | | |
| 15355 | 1.27 | 1.00 | 3.18 | 3.00 | 1.15 | ..... | 6.51 | 6.00 | $14.60 | $12.50 |
| 15299 | ..... | ..... | 5.02 | 5.00 | .47 | ..... | 8.56 | 8.00 | 11.96 | 11.40 |
| 15218 | ..... | ..... | ..... | ..... | .55 | ..... | 14.05 | 14.00 | 11.24 | 11.20 |
| 15300 | 2.51 | 2.50 | ..... | ..... | 2.40 | ..... | 11.45 | 12.00 | 21.20 | 20.75 |
| 15258 | 3.03 | 3.00 | ..... | ..... | 24.70* | 22.80* | ..... | ..... | 28.19 | ..... |
| 15301 | ..... | ..... | 3.12 | 3.00 | .40 | ..... | 6.44 | 6.00 | 8.35 | 7.80 |
| 15308 | 1.25 | 1.00 | 4.59 | 4.00 | .92 | ..... | 8.01 | 8.00 | 17.35 | 15.50 |
| 15259 | 4.91 | 4.00 | ..... | ..... | 22.90* | 20.60* | ..... | ..... | 34.24 | ..... |
| 15429 | 1.15 | 1.00 | 6.32 | 7.00 | 1.10 | ..... | 9.36 | 9.00 | 20.15 | 19.50 |
| 15310 | 2.15 | 2.00 | 4.56 | 4.00 | .87 | ..... | 7.85 | 8.00 | 20.29 | 19.00 |
| 15399 | 2.05 | 2.00 | 5.06 | 5.00 | 1.50 | 1.00 | 7.79 | 8.00 | 20.63 | 20.40 |
| 15311 | 1.27 | 1.00 | 3.22 | 3.00 | 1.15 | ..... | 8.78 | 9.00 | 16.91 | 15.50 |
| 15219 | ..... | ..... | ..... | ..... | .90 | ..... | 14.76 | 14.00 | 11.81 | 11.20 |
| 15268 | 2.25 | 2.00 | 2.48 | 2.00 | 1.60 | ..... | 8.38 | 8.00 | 19.38 | 17.00 |
| 15312 | 1.15 | 1.00 | 2.11 | 2.00 | .92 | ..... | 9.20 | 9.00 | 15.71 | 14.50 |
| 15220 | 2.57 | 2.50 | 3.32 | 3.00 | 1.87 | ..... | 8.09 | 8.00 | 21.16 | 19.75 |
| 15400 | 2.37 | 2.50 | 8.41 | 6.00 | .97 | ..... | 6.39 | 8.00 | 23.49 | 22.75 |
| 15356 | 1.30a | 1.00 | 1.49 | 1.00 | 1.35 | ..... | 7.29 | 7.00 | 13.87 | 11.50 |
| 15401 | 1.27 | 1.00 | 1.36 | 1.00 | 1.15 | ..... | 8.25 | 8.00 | 14.52 | 12.50 |
| 15309 | 2.14 | 2.00 | 2.95 | 2.50 | 6.92 | ..... | 7.28 | 5.00 | 20.49 | 14.50 |
| 15221 | 1.81 | 1.50 | 4.79 | 5.00 | 1.55 | ..... | 6.02 | 6.00 | 17.77 | 16.25 |
| 15402 | ..... | ..... | 3.06 | 3.00 | .55 | ..... | 12.20 | 12.00 | 12.93 | 12.60 |
| 15357 | ..... | ..... | 2.11 | 2.00 | .50 | ..... | 10.50 | 10.00 | 10.61 | 10.00 |

* Total Phosphoric Acid.
a—Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 15269 | A. A. C. Co. (Canton), Baltimore, Md. | Soluble Bone and Potash | Pocomoke City |
| 15222 | " " " | Truckers' Delight | Baltimore |
| 15358 | A. A. C. Co. (Detrick), Baltimore, Md. | Ammoniated Bone Phosphate. | Baltimore |
| 15270 | " " " | Bone and Potash 16x4 Mixture. | Snow Hill |
| 15271 | " " " | Corn and Oats Fertilizer | Powell's Wharf |
| 15200 | " " " | Dissolved S. C. Bone | Baltimore |
| 15201 | " " " | Gold Basis | Baltimore |
| 15272 | " " " | Gold Eagle | Downes |
| 15359 | " " " | Imperial Compound | Baltimore |
| 15273 | " " " | K. K. K. Kangaroo Komplete Kompound. | Downes |
| 15430 | " " " | P. & B. Special Fertilizer. | Baltimore |
| 15344 | " " " | Paragon Ammon. Bone Phosphate and Potash. | Singerly |
| 15403 | " " " | Quickstep Bone Phos. for Potatoes and Tobacco. | Baltimore |
| 15456 | " " " | Quickstep Bone Phos. for Potatoes and Tobacco. | Cheltenham (J. B. Pyles.) |
| 15360 | " " " | Royal Crop Grower | Baltimore |
| 15302 | " " " | Soluble Bone Phosphate and Potash. | Cumberland |
| 15303 | " " " | Stand. Potash Fertilizer | Cumberland |
| 15361 | " " " | Victor Alkaline Bone | Baltimore |
| 15431 | A. A. C. Co. (Lazaretto), Baltimore, Md. | Ammoniated Bone Phosphate. | Baltimore |
| 15362 | " " " | Bone Compound | Baltimore |
| 15404 | " " " | Crop Grower | Baltimore |
| 15313 | " " " | Dissolved Bone and Potash. | Glyndon |
| 15293 | " " " | Dissolved Bone and Potash. | Rockville |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15269 | ..... | ..... | 2.06 | 2.00 | 0.57 | ..... | 10.86 | 10.00 | $10.86 | $10.00 |
| 15222 | 5.04a | 5.00 | 5.50 | 5 00 | 1.72 | ..... | 7.30 | 7.00 | 31.13 | 29.50 |
| 15358 | 1.60 | 1.50 | 2.15 | 2.00 | 1.22 | ..... | 8.82 | 9.00 | 17.06 | 16.25 |
| 15270 | .... | ..... | 2.01 | 2.00 | 0.55 | ..... | 11.20 | 11.00 | 11.08 | 10.80 |
| 15271 | 1.17 | 1.00 | 3.01 | 3.00 | 1.23 | ..... | 9.10 | 9.00 | 16.70 | 15.50 |
| 15200 | ..... | ..... | ..... | ..... | 0.47 | ..... | 14.60 | 14.00 | 11.68 | 11.20 |
| 15201 | 7.17 | 7.00 | 5.18 | 5.00 | 1.62 | ..... | 7.10 | 6.00 | 38.03 | 35.50 |
| 15272 | 3.07 | 3.00 | 6.61 | 6.00 | 2.05 | ..... | 6.01 | 6.00 | 24.19 | 22.50 |
| 15359 | 1.26 | 1.00 | 2.13 | 2.00 | 1.05 | ..... | 8.13 | 8.00 | 15.09 | 13.50 |
| 15273 | 2.02 | 2.00 | 3.22 | 3.00 | 2.22 | ..... | 8.06 | 8.00 | 19.24 | 18.00 |
| 15430 | ..... | ..... | 3.03 | 3.00 | 0.70 | ..... | 12.04 | 12.00 | 12.80 | 12 60 |
| 15344 | 1.35 | 1.00 | 1.30 | 1.00 | 0.82 | ..... | 7.79 | 7.00 | 14.15 | 11.50 |
| 15403 | 3.04 | 3.00 | 4.23 | 4.00 | 1.82 | ..... | 7.82 | 8.00 | 23.42 | 22.50 |
| 15456 | 3.04 | 3.00 | 4.44 | 4.00 | 1.45 | ..... | 8.31 | 8.00 | 23.97 | 22.50 |
| 15360 | 2.30 | 2.00 | 2.29 | 2.00 | 1.12 | ..... | 8.38 | 8.00 | 19.17 | 17.00 |
| 15302 | ..... | ..... | 2.00 | 2.00 | 0.52 | ..... | 10.52 | 10.00 | 10.52 | 10.00 |
| 15303 | 1.60 | 1.50 | 4.67 | 5.00 | 1.40 | ..... | 6.02 | 6.00 | 16.85 | 16.25 |
| 15361 | ..... | ..... | 5.03 | 5.00 | 0.32 | ..... | 12.05 | 12.00 | 14.73 | 14.60 |
| 15431 | 1.12 | 1.00 | 2.33 | 2.00 | 0.87 | ..... | 8.14 | 8.00 | 14.74 | 13.50 |
| 15362 | 1.40 | 1.25 | 3.45 | 3.00 | 0.97 | ..... | 9.02 | 9.00 | 17.76 | 16.38 |
| 15404 | 2.29 | 2.00 | 2.35 | 2.00 | 1.62 | ..... | 8.08 | 8.00 | 19.10 | 17.00 |
| 15313 | ..... | ..... | 2.04 | 2.00 | 0.45 | ..... | 10.16 | 10.00 | 10.26 | 10.00 |
| 15293 | ..... | ..... | 2.60 | 2.00 | 0.50 | ..... | 8.51 | 8.00 | 9.51 | 8.40 |

a Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler, when not the College.) |
|---|---|---|---|
| 15202 | A. A. C. Co. (Lazaretto), Baltimore, Md. | Dissolved Bone Phosphate | Baltimore |
| 15363 | " " " | Early Trucker | Baltimore |
| 15314 | " " " | Excelsior A. A. A | Hampstead |
| 15294 | " " " | H. G. Dissolved Bone and Potash. | Rockville |
| 15364 | " " " | H. G. Dissolved Bone and Potash. | Baltimore |
| 15223 | " " " | Retriever Animal Bone Fertilizer. | Baltimore |
| 15295 | " " " | Special Potato and Tobacco Fertilizer. | Rockville |
| 15274 | " " " | Tomato Compound | Downes |
| 15296 | " " " | Wheat, Corn and Grass Grower. | Rockville |
| 15365 | A. A. C. Co. (Maryland), Baltimore, Md. | Alkaline Bone | Baltimore |
| 15366 | " " " | Dissolved S. C. Bone | Baltimore |
| 15367 | " " " | Magic Guano | Baltimore |
| 15368 | " " " | Sangston Cereal and Plant Food. | Baltimore |
| 15304 | " " " | Special Compound for Potatoes and Tobacco. | Cumberland |
| 15275 | A. A. C. Co. (Nickerson), Easton, Md. | Acid Phosphate | Mataponi |
| 15432 | " " " | Alkaline Bone and Potash. | Baltimore |
| 15405 | " " " | Dissolved Bone and Potash. | Baltimore |
| 15245 | " " " | Early Queen | Mataponi |
| 15246 | " " " | Eastern Shore Domestic Guano. | Mataponi |
| 15247 | " " " | English Mixture | Mataponi |
| 15276 | " " " | Fish Bone and Potash | Pocomoke City |
| 15248 | " " " | High Grade Vegetable Compound. | Mataponi |
| 15433 | " " " | Nickerson's Mixture | Baltimore |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15202 | ..... | ..... | ..... | ..... | 0.30 | ..... | 15.24 | 14.00 | $12.19 | $11.20 |
| 15363 | 5.35a | 5.00 | 5.14 | 5.00 | 1.65 | ..... | 7.26 | 7.00 | 31.79 | 29.50 |
| 15314 | 1.35a | 1.00 | 1.42 | 1.00 | 1.40 | ..... | 7.35 | 7.00 | 14.06 | 11.50 |
| 15294 | ..... | ..... | 5.02 | 5.00 | 0.37 | ..... | 10.39 | 10.00 | 13.40 | 13.00 |
| 15364 | ..... | ..... | 5.02 | 5.00 | 0.20 | ..... | 12.49 | 12.00 | 15.05 | 14.60 |
| 15223 | 2.49 | 2.25 | 4.56 | 4.00 | 3.27 | 4.50 | 10.12 | 9.00 | 24.71 | 22.68 |
| 15295 | 1.20 | 1.00 | 4.34 | 4.00 | 0.95 | ..... | 8.04 | 8.00 | 16.96 | 15.50 |
| 15274 | 1.71 | 1.50 | 5.20 | 5.00 | 1.60 | ..... | 6.18 | 6.00 | 18.01 | 16.25 |
| 15296 | 0.77 | 0.50 | 2.19 | 2.00 | 0.62 | ..... | 8.34 | 8.00 | 11.68 | 10.15 |
| 15365 | ..... | ..... | 3.12 | 3.00 | 0.35 | ..... | 12.02 | 12.00 | 12.81 | 12.60 |
| 15366 | ..... | ..... | ..... | ..... | 1.07 | ..... | 14.14 | 14.00 | 11.31 | 11.20 |
| 15367 | 1.17 | 1.00 | 2.11 | 2.00 | 1.00 | ..... | 9.12 | 9.00 | 15.73 | 14.50 |
| 15368 | 1.64 | 1.50 | 2.11 | 2.00 | 1.47 | ..... | 8.09 | 9.00 | 16.53 | 16.25 |
| 15304 | 1.67a | 2.00 | 11.69 | 10.00 | 0.75 | ..... | 8.30 | 8.00 | 26.14 | 25.00 |
| 15275 | ..... | ..... | ..... | ..... | 0.35 | ..... | 15.05 | 14.00 | 12.04 | 11.20 |
| 15432 | ..... | ..... | 2.02 | 2.00 | 0.57 | ..... | 10.23 | 10.00 | 10.31 | 10.00 |
| 15405 | ..... | ..... | 4.91 | 5.00 | 0.47 | ..... | 12.58 | 12.00 | 15.06 | 14.60 |
| 15245 | 5.03a | 5.00 | 5.27 | 5.00 | 1.95 | ..... | 7.12 | 7.00 | 30.78 | 29.50 |
| 15246 | 2.01 | 2.00 | 3.24 | 3.00 | 2.30 | ..... | 8.02 | 8.00 | 19.22 | 18.00 |
| 15247 | 1.28a | 1.00 | 2.04 | 2.00 | 1.00 | ..... | 8.27 | 8.00 | 15.19 | 13.50 |
| 15276 | 3.07 | 3.00 | 4.15 | 4.00 | 1.87 | ..... | 7.71 | 8.00 | 23.36 | 22.50 |
| 15248 | 6.65a | 7.00 | 5.45 | 5.00 | 2.45 | ..... | 6.22 | 6.00 | 35.93 | 35.50 |
| 15433 | 0.68 | 0.50 | 2.03 | 2.00 | 0.57 | ..... | 8.24 | 8.00 | 11.11 | 10.15 |

a Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler, when not the College.) |
|---|---|---|---|
| 15277 | A. A. C. Co. (Nickerson), Easton, Md. | Tomato Fertilizer | Pocomoke City |
| 15278 | " " " | Truck Guano | Pocomoke City |
| 15345 | A. A. C. Co. (Packers' Union), Rutland, Vt. | American Wheat and Rye Grower. | Lewis' Wharf |
| 15434 | " " " | Banner Wheat Grower | Baltimore |
| 15435 | A. A. C. Co. (Susquehanna), Baltimore, Md. | Alkaline Bone Phosphate | Baltimore |
| 15369 | " " " | Ammoniated Bone Phosphate. | Baltimore |
| 15370 | " " " | Grain and Grass Producer. | Baltimore |
| 15406 | " " " | H. G. Bone and Potash | Baltimore |
| 15371 | " " " | Potato and Tobacco Phosphate. | Baltimore |
| 15457 | " " " | Potato and Tobacco Phosphate. | Cheltenham (J. B. Pyles.) |
| 15346 | " " " | Pure Bone Phosphate | Zion |
| 15407 | " " " | Superior Rock Phosphate. | Baltimore |
| 15279 | A. A. C. Co. (Tygert Allen), Philadelphia, Pa. | Allen's 7% Guano | Pocomoke City |
| 15224 | " " " | Golden Edge Potato Grower. | Baltimore |
| 15408 | " " " | Standard Bone Phosphate. | Baltimore |
| 15372 | " " " | Star Dissolved S. C. Rock. | Baltimore |
| 15373 | A. A. C. Co. (Wheeler), Rutland, Vt. | Bone and Potash | Baltimore |
| 15280 | " " " | Corn Fertilizer | Downes |
| 15249 | " " " | Electric Dissolved Bone | Snow Hill |
| 15436 | " " " | H. G. Tomato Fertilizer | Baltimore |
| 15250 | " " " | Potato Manure | Snow Hill |
| 15374 | " " " | Royal Wheat Grower | Baltimore |
| 15225 | " " " | Superior Truck Fertilizer. | Baltimore |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15277 | 1.19 | 1.00 | 4.21 | 4.00 | 1.02 | ..... | 8.02 | 8.00 | $16.81 | $ 15.50 |
| 15278 | 2.30 | 2.00 | 2.25 | 2.00 | 1.50 | ..... | 8.20 | 8.00 | 19.10 | 17.00 |
| 15345 | 1.10 | 1.00 | 2.37 | 2.00 | 0.87 | ..... | 8.02 | 8.00 | 14.59 | 13.50 |
| 15434 | ..... | ..... | 1.92 | 2.00 | 0.45 | ..... | 10.61 | 10.00 | 10.40 | 10.00 |
| 15435 | ..... | ..... | 1.92 | 2.00 | 1.90 | ..... | 10.10 | 10.00 | 10.38 | 10.00 |
| 15369 | 2.14 | 2.00 | 2.23 | 2.00 | 1.20 | ..... | 8.03 | 8.00 | 18.23 | 17.00 |
| 15370 | ..... | ..... | 3.01 | 3.00 | 0.32 | ..... | 12.05 | 12.00 | 12.71 | 12.60 |
| 15406 | ..... | ..... | 5.04 | 5.00 | 1.75 | ..... | 10.89 | 12.00 | 14.10 | 14.60 |
| 15371 | 2.17 | 2.00 | 5.40 | 5.00 | 1.82 | ..... | 7.66 | 8.00 | 21.39 | 20.00 |
| 15457 | 2.29 | 2.00 | 5.35 | 5.00 | 1.72 | ..... | 8.03 | 8.00 | 22.09 | 20.00 |
| 15346 | 2.06 | 2.00 | 2.52 | 2.00 | 2.15 | ..... | 9.93 | 9.00 | 20.52 | 18.00 |
| 15407 | ..... | ..... | ..... | ..... | 0.57 | ..... | 14.26 | 14.00 | 11.41 | 11.20 |
| 15279 | 6.81a | 7.00 | 5.55 | 5.00 | 2.22 | ..... | 6.45 | 6.00 | 36.73 | 35.50 |
| 15224 | 2.54 | 2.50 | 6.67 | 6.00 | 2.31 | .... | 8.05 | 8.00 | 24.53 | 22.75 |
| 15408 | 2.29 | 2.00 | 2.21 | 2.00 | 1.47 | ..... | 8.12 | 8.00 | 18.94 | 17.00 |
| 15372 | ..... | ..... | ..... | ..... | 0.40 | ..... | 14.58 | 14.00 | 11.66 | 11.20 |
| 15373 | ..... | ..... | 3.02 | 3.00 | 0.37 | ..... | 12.07 | 12.00 | 12.76 | 12.60 |
| 15280 | 2.16 | 2.00 | 2.06 | 2.00 | 1.32 | ..... | 8.02 | 8.00 | 18.17 | 17.00 |
| 15249 | ..... | ..... | ..... | ..... | 0.57 | ..... | 14.56 | 14.00 | 11.65 | 11.20 |
| 15436 | 1.38a | 1.00 | 1.88 | 1.00 | 1.37 | ..... | 7.06 | 7.00 | 14.32 | 11.50 |
| 15250 | 2.56 | 2.50 | 3.34 | 3.00 | 1.87 | ..... | 7.85 | 8.00 | 20.90 | 19.75 |
| 15374 | 1.12 | 1.00 | 2.21 | 2.00 | 0.95 | ..... | 8.08 | 8.00 | 14.59 | 13.50 |
| 15225 | 3.70a | 4.00 | 7.74 | 7.00 | 1.53 | ..... | 8.03 | 8.00 | 29.33 | 29.00 |

a. Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler when not the College.) |
|---|---|---|---|
| 15375 | A. A. C. Co., (Wheeler) Rutland, Vt. | Wheat and Clover Fertilizer. | Baltimore..... |
| 15261 | A. A. C. Co., (Zell) Balto., Md. | Ammoniated Bone Super Phosphate. | Hyattsville..... |
| 15260 | " " " | Ammoniated Bone Super Phosphate. | Laurel..... |
| 15262 | " " " | Dissolved Bone Phosphate | Laurel..... |
| 15315 | " " " | Economizer Phosphate | Taneytown..... |
| 15316 | " " " | Electric Phosphate..... | New Windsor..... |
| 15263 | " " " | Little Giant..... | Laurel..... |
| 15264 | " " " | Special Compound for Potatoes and Vegetables | Hyattsville..... |
| 15477 | Armour Fertilizer Works, Balto., Md. | Acidulated Bone Meal.... | Cambridge..... (Jacob Kurt.) |
| 15226 | " " " | All Soluble..... | Baltimore..... |
| 15281 | " " " | Ammoniated Bone with Potash. | McMaster's Whf .. |
| 15251 | " " " | Bone, Blood and Potash.. | Stockton..... |
| 15227 | " " " | Bone Meal..... | Baltimore..... |
| 15376 | " " " | Cereal Phosphate..... | Baltimore..... |
| 15228 | " " " | Fruit and Root Crop Special. | Baltimore..... |
| 15474 | " " " | Fruit and Root Crop Special. | Goldsboro..... |
| 15478 | " " " | Fruit and Root Crop Special. | Baldwin..... (R. Swormstedt Jr) |
| 15229 | " " " | Grain Grower..... | Baltimore..... |
| 15473 | " " " | Grain Grower..... | Goldsboro..... |
| 15230 | " " " | H. G. Potato Fertilizer. | Baltimore ..... |
| 15472 | " " " | Kainit.*..... | Ridgely..... (E. Altimus.) |
| 15252 | " " " | Manure Substitute..... | Stockton ..... |
| 15438 | " " " | Phosphate and Potash.... | Baltimore ..... |

*Contained about 5% of bone.

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15375 | ..... | ..... | 2.01 | 2.00 | 0.52 | ..... | 10.53 | 10.00 | $10.53 | $10.00 |
| 15261 | 2.20 | 2 00 | 2.15 | 2.00 | 1.42 | ..... | 8.43 | 8.00 | 18.76 | 17.00 |
| 15260 | 2.10 | 2 00 | 2.13 | 2.00 | 1.65 | ..... | 8.05 | 8.00 | 18.19 | 17.00 |
| 15262 | ..... | ..... | ..... | ..... | .77 | ..... | 14.66 | 14.00 | 11.73 | 11.20 |
| 15315 | 1.35 | 1.00 | 2.40 | 2.00 | 1.20 | ..... | 8.22 | 8.00 | 15.83 | 13.50 |
| 15316 | ..... | ..... | 2.03 | 2.00 | .52 | ..... | 10.22 | 10.00 | 10.39 | 10.00 |
| 15263 | 1.20 | 1.00 | 1.32 | 1.00 | 1.37 | ..... | 7.56 | 7.00 | 13.63 | 11.50 |
| 15264 | 3.02 | 3.00 | 4.41 | 4.00 | 1.47 | ..... | 8.48 | 8.00 | 24.05 | 22.50 |
| 15477 | 2.05 | 2.00 | ..... | ..... | .52 | ..... | 11.78 | 11.00 | 19.17 | 18.00 |
| 15226 | 3.33a | 3.50 | 4.38 | 4.00 | 1.30 | ..... | 8.92 | 8.00 | 25.48 | 24.25 |
| 15281 | 3.01 | 3.00 | 2.68 | 2.00 | 1.52 | ..... | 7.29 | 6.00 | 21.12 | 18.50 |
| 15251 | 5.38a | 5.00 | 7.12b | 7.00b | .77 | ..... | 9.08 | 8.00 | 36.76 | 33 90 |
| 15227 | 3.04 | 3.00 | ..... | ..... | 23.45* | 24.00* | ..... | ..... | 29.92 | ..... |
| 15376 | ..... | ..... | ..... | ..... | .72 | ..... | 12.56 | 10.00 | 10.05 | 8.00 |
| 15228 | 2.37 | 2.00 | 5.61 | 5.00 | 1.57 | ..... | 8.79 | 8.00 | 23.33 | 20.00 |
| 15474 | 2.03 | 2.00 | 6.40 | 5.00 | 1.10 | ..... | 8.72 | 8.00 | 22.67 | 20.00 |
| 15478 | 2.50 | 2.00 | 5.85 | 5 00 | 1.57 | ..... | 8.71 | 8.00 | 23.94 | 20.00 |
| 15229 | 2.35 | 2.00 | 3.03 | 2.00 | 2.00 | ..... | 8.87 | 8.00 | 20.93 | 17.00 |
| 15473 | 1.81a | 2.00 | 2.18 | 2 00 | .52 | ..... | 10.48 | 8 00 | 19.21 | 17.00 |
| 15230 | 1.91 | 2.00 | 8.51 | 10.00 | 2.77 | ..... | 8.42 | 8.00 | 24.73 | 25.00 |
| 15472 | ..... | ..... | 11.27 | 12.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 15252 | 4.29 | 4.00 | 4.30 | 4.00 | 1.15 | ..... | 7.06 | 6.00 | 26.84 | 24.00 |
| 15438 | ..... | ..... | 4.05 | 5.00 | .45 | ..... | 12.49 | 12.00 | 14.13 | 14.60 |

* Total Phosphoric Acid. b. Contains Sulfate of Potash.
a Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler, when not the College.) |
|---|---|---|---|
| 15282 | Armour Fertilizer Works, Baltimore, Md. | Phosphate and Potash, No. 1. | McMaster's Wh'f.. |
| 15203 | " " " | Phosphate and Potash, No. 2. | Baltimore..... |
| 15437 | " " " | Phosphoric Acid and Potash. | Baltimore..... |
| 15409 | " " " | Raw Bone Meal..... | Baltimore..... |
| 15317 | " " " | Royal Ammoniated Bone. | Hampstead..... |
| 15253 | " " " | Seven Per Cent Trucker.. | Stockton..... |
| 15410 | " " " | Special Mixture..... | Baltimore..... |
| 15377 | " " " | Special Virginia Trucker. | Baltimore..... |
| 15254 | " " " | Star Phosphate..... | Stockton..... |
| 15471 | " " " | Star Phosphate..... | Ridgely..... (E. Altimus.) |
| 15476 | " " " | Tankage..... | Cambridge..... (J. Kurt.) |
| 15378 | " " " | Tobacco Special..... | Baltimore..... |
| 15231 | " " " | Tomato Grower..... | Baltimore..... |
| 15379 | " " " | Truck and Berry Special. | Baltimore..... |
| 15411 | " " " | Valley Brand Tobacco.... | Baltimore..... |
| 15318 | " " " | Wheat, Corn and Oats Special. | Hampstead..... |
| 15319 | C. A. Baile & Co., Medford, Md. | No. 3 Bone Phosphate.... | Medford..... |
| 15320 | Baltimore Fertilizer Co., Baltimore, Md. | Honest Acid Phosphate.. | Lineboro..... |
| 15380 | " " " | Honest Bone and Potash. | Baltimore..... |
| 15412 | " " " | Honest Bone Phosphate.. | Baltimore..... |
| 15413 | " " " | Honest Crop Grower.... | Baltimore..... |
| 15414 | " " " | Honest Harvest..... | Baltimore..... |
| 15297 | " " " | Honest Homestead..... | Silver Spring..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15282 | ..... | ..... | 2.02 | 2.00 | 1.35 | ..... | 11.16 | 10.00 | $11.22 | $10.00 |
| 15203 | ..... | ..... | 4.89 | 5.00 | 0.75 | ..... | 8.70 | 8.00 | 12.00 | 11.40 |
| 15437 | ..... | ..... | 5.04 | 5.00 | 0.45 | ..... | 10.85 | 10.00 | 13.81 | 13.00 |
| 15409 | 4.86 | 4.50 | ..... | ..... | 22.97* | 22.00* | ..... | ..... | 31.92 | ..... |
| 15317 | 1.43 | 1.00 | 3.43 | 4.00 | 1.25 | ..... | 9.53 | 8.00 | 18.47 | 15.50 |
| 15253 | 7.02a | 7.00 | 5.04 | 5.00 | 0.56 | ..... | 6.50 | 6.00 | 36.33 | 35.50 |
| 15410 | 1.01a | 0.50 | 1.45 | 1.00 | 0.40 | ..... | 9.05 | 8.00 | 14.20 | 9.15 |
| 15377 | 4.88a | 5 00 | 7.04 | 7.00 | 0.57 | ..... | 7.42 | 6.00 | 31.77 | 30.50 |
| 15254 | ..... | ..... | ..... | ..... | 1.30 | ..... | 14.99 | 14.00 | 11.99 | 11.20 |
| 15471 | ..... | ..... | ..... | ..... | 1.05 | ..... | 14.45 | 14.00 | 11.56 | 11.20 |
| 15476 | 9.87 | 9.00 | ..... | ..... | 6.28* | ..... | ..... | ..... | 33.38 | 27.00 |
| 15378 | 2.82a | 3.00 | 3.57 | 3.00 | 0.80 | ..... | 9.29 | 8.00 | 23.05 | 21.50 |
| 15231 | 2.22 | 2.00 | 3.39 | 2.00 | 1.40 | ..... | 8.64 | 8.00 | 20.36 | 17.00 |
| 15379 | 3.04a | 3.00 | 8.01 | 10.00 | 0.45 | ..... | 9.05 | 8.00 | 27.88 | 28.50 |
| 15411 | 2.37 | 2.00 | 5.12 | 5.00 | 0.77 | ..... | 8.67 | 8.00 | 22.40 | 20.00 |
| 15318 | 1.16 | 1.00 | 1.47 | 1.00 | 1.35 | ..... | 7.85 | 7.00 | 13.92 | 11.50 |
| 15319 | 1.68 | 1.25 | 2.06 | 2.00 | 1.57 | 1.50 | 9.52 | 9.50 | 18.09 | 16.48 |
| 15320 | ..... | ..... | ..... | ..... | 1.20 | ..... | 15.09 | 14.00 | 12.07 | 11.20 |
| 15380 | ..... | ..... | 2.21 | 2.00 | 0.07 | ..... | 9.62 | 10.00 | 9.92 | 10.00 |
| 15412 | .52 | 0.25 | 1.69 | 1.00 | 0.40 | ..... | 7.12 | 7.00 | 9.29 | 7.48 |
| 15413 | 1.40 | 1.00 | 1.99 | 1.00 | 1.62 | ..... | 8.77 | 8.00 | 16.31 | 12.50 |
| 15414 | 1.01 | 1.00 | 2.02 | 2.50 | 0.87 | ..... | 9.84 | 9.00 | 15.75 | 15.00 |
| 15297 | 1.71 | 1.50 | 2.58 | 2.00 | 0.72 | ..... | 8.87 | 8.00 | 17.73 | 15.25 |

*. Total Phosphoric Acid.
a. Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler, when not the College.) |
|---|---|---|---|
| 15233 | Baltimore Fertilizer Co., Baltimore, Md. | Honest Potato and Tobacco Grower. | Baltimore |
| 15415 | " " " | Honest Revenue | Baltimore |
| 15283 | " " " | Honest Standard | Ridgely |
| 15381 | " " " | Honest Success | Baltimore |
| 15234 | " " " | Honest Trucker | Baltimore |
| 15232 | " " " | Old Honesty—Your Money's Worth. | Baltimore |
| 15464 | " " " | Old Honesty—Your Money's Worth. | Hollywood (J. W. Dean.) |
| 15321 | Baltimore Pulverizing Co., Baltimore, Md. | Ammoniated Butchers' Bone. | Bradshaw |
| 15486 | " " " | Farmers' Favorite Fertilizer—F. F. F. | Baltimore |
| 15207 | " " " | Penniman's Excelsior Fertilizer. | Baltimore |
| 15206 | " " " | Royal Tomato Compound. | Baltimore |
| 15448 | " " " | Special Spring Mixture | Baltimore |
| 15208 | " " " | Truckers' Choice | Baltimore |
| 15322 | Baugh & Sons Co., Baltimore, Md. | Ammoniated Soluble Alkaline. | White Hall |
| 15204 | " " " | Animal Bone and Potash Compound. | Baltimore |
| 15235 | " " " | Complete Animal Bone Fertilizer. | Baltimore |
| 15323 | " " " | Corn Fertilizer | Zion |
| 15305 | " " " | Double Eagle $25.00 Phosphate. | Hancock |
| 15321 | " " " | Excelsior Corn and Peanut Guano. | Bradshaw |
| 15347 | " " " | Excelsior Guano | Zion |
| 15383 | " " " | Farmers' Friend Guano | Baltimore |
| 15384 | " " " | Fish Bone and Potash | Baltimore |
| 15416 | " " " | Fish Mixture | Baltimore |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15233 | 2.25 | 2.00 | 6.63 | 8.00 | 0.60 | ..... | 7.16 | 6.00 | $21.91 | $21.00 |
| 15415 | 3.03a | 3.00 | 5.37 | 6.00 | 1.17 | ..... | 7.18 | 7.00 | 23.63 | 23.50 |
| 15283 | 1.35 | 1.25 | 5.00 | 3.00 | 2.12 | ..... | 7.84 | 10.00 | 18.42 | 17.38 |
| 15381 | 1.05 | 1.00 | 4.65 | 4.00 | 0.10 | ..... | 7.27 | 7.00 | 15.64 | 14.50 |
| 15234 | 4.79a | 5.00 | 4.83 | 5.00 | 0.47 | ..... | 6.32 | 6.00 | 28.11 | 28.50 |
| 15232 | 0.85 | 0.50 | 2.09 | 2.00 | 0.52 | ..... | 8.13 | 8.00 | 11.67 | 10.15 |
| 15464 | 1.01 | 0.50 | 2.19 | 2.00 | 0.97 | ..... | 9.89 | 8.00 | 16.01 | 10.15 |
| 15361 | 1.72 | 1.50 | 1.71 | 1.50 | 1.80 | ..... | 9.53 | 9.00 | 17.98 | 15.75 |
| 15486 | 1.59 | 1.00 | 2.21 | 1.50 | 2.47 | ..... | 5.26 | 5.50 | 14.03 | 10.50 |
| 15207 | ..... | ..... | 3.22 | 5.00 | 0.80 | ..... | 9.83 | 10.00 | 11.24 | 13.00 |
| 15206 | 2.04 | 2.00 | 3.35 | 2.00 | 1.07 | ..... | 9.42 | 8.00 | 20.34 | 17.00 |
| 15448 | ..... | "0" | 1.45 | 2.00 | 0.45 | 1.00 | 7.92 | 8.00 | 7.88 | 8.60 |
| 15208 | 3.10 | 3.00 | 2.56 | 1.50 | 1.50 | ..... | 8.69 | 8.00 | 22.70 | 20.00 |
| 15322 | 0.67 | 0.50 | 2.11 | 2.00 | 0.95 | 2.00 | 8.58 | 8.00 | 11.51 | 10.55 |
| 15204 | 2.11 | 2.00 | 2.40 | 2.00 | 2.47 | ..... | 8.53 | 8.00 | 19.31 | 17.00 |
| 15235 | 2.54 | 2.00 | 5.78 | 5.00 | 1.15 | ..... | 7.86 | 8.00 | 22.99 | 20.00 |
| 15323 | 1.37 | 1.00 | 4.04 | 4.00 | 1.60 | ..... | 8.71 | 8.00 | 18.18 | 15.50 |
| 15305 | 2.05a | 2.00 | 1.57 | 1.00 | 1.32 | ..... | 8.04 | 8.00 | 17.32 | 16.00 |
| 15324 | 1.35 | 1.00 | 4.61 | 4.00 | 1.15 | ..... | 8.02 | 8.00 | 17.82 | 15.50 |
| 15347 | 1.45 | 1.00 | 4.42 | 4.00 | 1.50 | ..... | 9.50 | 8.00 | 19.60 | 15.50 |
| 15383 | 4.23a | 5.00 | 5.88 | 5.00 | 0.35 | ..... | 6.93 | 6.00 | 27.76 | 28.50 |
| 15384 | 4.73a | 4.00 | 4.23 | 4.00 | 0.60 | ..... | 8.14 | 8.00 | 29.17 | 26.00 |
| 15416 | 2.11 | 2.00 | 2.38 | 2.00 | 2.42 | ..... | 8.10 | 8.00 | 18.84 | 17.00 |

a. Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler when not the College.) |
|---|---|---|---|
| 15449 | Baugh & Sons Co., Baltimore, Md. | General Crop Grower..... | Middleburg ..... |
| 15237 | " " " | Genuine Lobos Peruvian Guano. | Baltimore..... |
| 15325 | " " " | Grand Rapid High Grade Truck Guano. | Watervale..... |
| 15236 | " " " | H. G. Acid Phosphate.... | Baltimore..... |
| 15487 | " " " | H. G. Cotton and Truck Guano. | Rockville ..... |
| 15417 | " " " | New Process 10% Guano | Baltimore..... |
| 15285 | " " " | Peninsula Grain Producer. | Kingston..... |
| 15238 | " " " | Peruvian Guano Substitute. | Baltimore..... |
| 15239 | " " " | Potato and Truck Special. | Baltimore..... |
| 15298 | " " " | Pure Dissolved Animal Bones. | Rockville ..... |
| 15240 | " " " | Raw Bone Meal..... | Baltimore..... |
| 15286 | " " " | 7% Potato Guano..... | Kingston..... |
| 15341 | " " " | Soluble Alkaline Super-Phosphate. | Monrovia ..... |
| 15265 | " " " | Special Potato Manure... | Middleburg ..... |
| 15385 | " " " | 10x4. ..... | Baltimore..... |
| 15395 | Beck-Walker Co., Chestertown, Md. | Corn Super-Phosphate.... | Chestertown..... |
| 15396 | " " " | Propagator Super-Phosphate. | Chestertown..... |
| 15397 | " " " | Tomato Super-Phosphate. | Crumpton..... |
| 15326 | The Berg Co., Philadelphia, Pa. | Raw Bone..... | Fallston..... |
| 15342 | A. D. Birely & Sons, Ladiesburg, Md. | Crop Producer..... | Loys..... |
| 15306 | Wm. H. Bixler, Hagerstown, Md. | Bone Phosphate..... | Hagerstown ..... |
| 15327 | J. H. Blocher, Alesia, Md.. | Royal Bone and Potash... | Alesia..... |
| 15386 | C. E. Bond, Spencerville, Md. | Acid Phosphate ..... | Spencerville ..... |

| No. | NITROGEN, Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15449 | 1.54 | 1.00 | 1.88 | 1.00 | 1.00 | ..... | 8.46 | 8.00 | $16.13 | $12.50 |
| 13237 | 3.15 | 3.00 | 3.01b | 3.00b | 19.03* | 19.00* | ..... | ..... | ..... | ..... |
| 15325 | 3.50a | 3.00 | 3.49 | 3.00 | 1.80 | ..... | 8.15 | 8.00 | 24.61 | 21.50 |
| 15236 | ..... | ..... | ..... | ..... | 1.07 | 1.00 | 15.24 | 14.00 | 12.19 | 11.20 |
| 15487 | 1.76 | 2.00c | 2.79 | 2.00 | 1.02 | ..... | 10.03 | 10.00 | 19.39 | 19.00 |
| 15417 | 8.60a | 10.00 | 2.87 | 2.00 | 1.95 | ..... | 5.03 | 5.00 | 38.78 | 42.00 |
| 15285 | 1.30 | 1.00 | 2.04 | 2.00 | 0.72 | ..... | 8.11 | 8.00 | 14.99 | 13.50 |
| 15238 | 5.29 | 5.00 | 7.52 | 7.00 | 0.97 | ..... | 6.52 | 6.00 | 32.95 | 30.50 |
| 15239 | 3.99a | 3.50 | 5.76 | 7.00 | 1.00 | ..... | 7.72 | 7.00 | 27.85 | 26.25 |
| 15298 | 2.71 | 2.50 | ..... | ..... | 2.30 | ..... | 15.50 | 13.00 | 25.91 | 21.75 |
| 15240 | 4.76 | 4.50 | ..... | ..... | 21.26* | 21.50* | ..... | ..... | 33.17 | ..... |
| 15286 | 7.06a | 7.00 | 5.20 | 5.00 | 0.45 | ..... | 6.66 | 6.00 | 36.75 | 35.50 |
| 15341 | ..... | ..... | 2.52 | 2.00 | 1.55 | ..... | 10.25 | 10.00 | 11.03 | 10.00 |
| 15265 | 2.22 | 2.00 | 10.92 | 10.00 | 2.15 | ..... | 5.31 | 5.00 | 24.86 | 22.00 |
| 15385 | ..... | ..... | 3.49 | 4.00 | 0.82 | ..... | 10.02 | 10.00 | 11.67 | 12.00 |
| 15395 | 1.09 | 1.00 | 5.80 | 4.00 | 1.40 | ..... | 8.75 | 8.00 | 18.93 | 15.50 |
| 15396 | 2.11a | 2.00 | 2.30 | 2.50 | 1.45 | ..... | 8.50 | 8.00 | 18.77 | 17.50 |
| 15397 | 2.42a | 2.50 | 3.81 | 3.00 | 1.40 | ..... | 9.20 | 8.00 | 22.04 | 19.75 |
| 15326 | 3.58 | 4.00 | ..... | ..... | 18.81* | 20.00* | ..... | ..... | 26.58 | ..... |
| 15342 | ..... | ..... | 2.42 | 2.00 | 0.52 | ..... | 9.01 | 9.00 | 9.73 | 9.20 |
| 15306 | 1.77 | 1.50 | 2.93 | 2.50 | 2.62 | ..... | 9.91 | 8.00 | 20.09 | 15.75 |
| 15327 | ..... | ..... | 1.09 | 1.00 | 0.42 | ..... | 9.45 | 9.00 | 8.74 | 8.20 |
| 15386 | ..... | ..... | ..... | ..... | 3.32 | ..... | 15.06 | 14.00 | 12.05 | 11.20 |

a. Contains Nitrate of Soda. b. Contains Sulfate of Potash. * Total Phosphoric Acid.
c. Guaranteed "Nitrogen 1.65%," which equals 2.00% Ammonia.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College ) |
|---|---|---|---|
| 15419 | Jas. Bonday, Jr., & Co., Baltimore, Md. | Old Reliable Brand Genuine German Kainit. | Baltimore |
| x-392 | Bonora Chemical Co., New York, N. Y. | Bonora | Baltimore |
| 15307 | Bryant Fertilizer Co., Alexandria, Va. | Fine Ground Raw Bone. | Hancock |
| 15328 | Josiah Cope & Co., Lincoln University, Pa. | Ammoniated Bone Phosphate. | Conowingo |
| 15287 | L. E P. Dennis & Son, Crisfield, Md. | Fish and Potash Mixture, No. 1. | Princess Anne |
| 15348 | " " " | Fish and Potash Mixture, No. 2. | Federalsburg |
| 15349 | " " " | Special Truck and Tomato Mixture. | Cambridge |
| 15420 | Joshua W. Dorsey, Ellicott City. Md. | Mixture D | Ellicott City |
| 15421 | Dudley & Carpenter, Baltimore, Md. | California Tobacco Compound. | Baltimore |
| 15439 | " " " | Dissolved S. C. Rock | Baltimore |
| 15422 | Edelen Bros., Baltimore, Md. | H. G. Tobacco Guano | Baltimore |
| 15423 | " " " | Special Tobacco Guano | Baltimore |
| 15424 | " " " | Special Wheat and Grass Mixture. | Baltimore |
| 15387 | T. W. Eliason, Chestertown, Md. | Our Special Diss. Alkaline Phosphate and Potash. | Baltimore |
| 15329 | Englar Bros. & Co., Linwood Md. | No. 2 Ammoniated Bone Phosphate. | Linwood |
| 15350 | The Eureka Fertilizer Co., Perryville, Md. | Alkaline Bone and Potash. | Elkton |
| 15351 | " " " | Dissolved Animal Bone. | Rising Sun |
| 15352 | " " " | Imperial Bone Phosphate. | Rising Sun |
| 15353 | " " " | Potato and Vegetable | Rising Sun |
| 15209 | W. S. Farmer & Co., Baltimore, Md. | Anne Arundel Trucker | Baltimore |
| 15354 | " " " | B. & P. Phosphate | Cambridge |
| 15440 | " " " | Clyde Brand | Baltimore |
| 15388 | " " " | Dissolved S. C. Bone | Baltimore |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15419 | ..... | ..... | 12.16 | 12.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| x-392 | 19.60[a] | 19 00 | 4.79 | 3.00 | 0.00 | ..... | 5.02 | 5.00 | $78.41 | $74.50 |
| 15307 | 5.12 | 4.50 | .... | ..... | 22.60* | 21 50* | ..... | ..... | 32.49 | ..... |
| 15328 | 1.11 | 1.00 | 3.34 | 3 00 | 0.72 | 2.00 | 10.01 | 10.00 | 17.53 | 17.30 |
| 15287 | 3.62 | 3 50 | 4.01 | 4 00 | 1.25 | ..... | 7.02 | 7.00 | 24.20 | 23.25 |
| 15348 | 1.76 | 2.00 | 3.52 | 3.00 | 0.72 | ..... | 7.11 | 7.00 | 17.08 | 17.00 |
| 15349 | 2.51 | 3.00 | 3.74 | 3.00 | 1.20 | ..... | 7.10 | 7.00 | 20.11 | 20.50 |
| 15420 | 2.47 | 2 25 | 4.59 | 4 00 | 0.82 | 1.50 | 9.91 | 9.00 | 23.48 | 21.48 |
| 15421 | 3.82 | 4.00 | 2.54 | 2 00 | 0.62 | 1.00 | 9.41 | 8.00 | 25.57 | 24.40 |
| 15439 | ..... | ..... | ..... | ..... | 1.32 | ..... | 14.14 | 14.00 | 11.31 | 11.20 |
| 15422 | 4.18a | 4.00 | 5.25b | 4 00b | 0.77 | ..... | 6.74 | 6.00 | 27.98 | 24.80 |
| 15423 | 3.24a | 3.00 | 3.63b | 3.00b | 1.15 | ..... | 10.34 | 8.00 | 26.50 | 22.10 |
| 15424 | 1.15 | 1.00 | 2.29 | 2.00 | 0.95 | ..... | 11.56 | 9.00 | 18.26 | 14.50 |
| 15387 | "0" | .. .... | 1.52 | 1.50 | 0.52 | ..... | 14.08 | 11.00 | 12.88 | 10.30 |
| 15329 | 1.18 | 1.00 | 2.44 | 2 40 | 1.25 | ..... | 10.07 | 9.80 | 17.14 | 15.70 |
| 15350 | .... | ..... | 1.09 | 2.00 | 1.90 | ..... | 12.06 | 10.00 | 11.12 | 10.00 |
| 15351 | 1.57 | 2.00 | ..... | ..... | 1.45 | 3.00 | 12.42 | 12.00 | 18.50 | 20.20 |
| 15352 | 1.03 | 1 00 | 1.65 | 1.00 | 1.62 | ..... | 9.25 | 8.00 | 15.16 | 12.50 |
| 15353 | 1.84 | 2.00 | 3.57 | 4.00 | 1.95 | ..... | 10.21 | 8.00 | 20.80 | 19.00 |
| 15209 | 4.57a | 4 50 | 7.20 | 7.00 | 1.22 | ..... | 8.38 | 8.00 | 32.07 | 30.75 |
| 15354 | ..... | ..... | 2.25 | 2.00 | 2.10 | ..... | 9.87 | 10.00 | 10.57 | 10.00 |
| 15440 | 1.17 | 1.00 | 2.19 | 2.00 | 1.00 | ..... | 8.20 | 8.00 | 14.89 | 13.50 |
| 15388 | ..... | ..... | .... | ..... | 0.85 | ..... | 14.31 | 14.00 | 11.45 | 11 20 |

a. Contains Nitrate of Soda
b. Contains Sulfate of Potash.

* Total Phosphoric Acid.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler when not the College.) |
|---|---|---|---|
| 15389 | W. S. Farmer & Co., Baltimore, Md. | Fish Mixture | Baltimore |
| 15390 | " " " | Harvest Queen Phosphate | Baltimore |
| 15425 | " " " | H. G. Bone and Potash | Baltimore |
| 15391 | " " " | Standard Phosphate | Baltimore |
| 15441 | " " " | Strawberry Mixture | Baltimore |
| 15392 | " " " | Top Dresser | Baltimore |
| 15393 | " " " | Truckers' Compound | Baltimore |
| 15255 | Farmers and Planters Co., Salisbury, Md. | General Crop Grower | Newark |
| 15288 | " " " | Fish Mixture | Salisbury |
| 15289 | " " " | Special Fish Mixture | Salisbury |
| 15290 | " " " | Truckers' Mixture | Salisbury |
| 15330 | Farmers' Fertilizer & Feed Co., Westminster, Md. | Carroll Bone Phosphate | Westminster |
| 15331 | " " " | No. 1 Bone Phosphate | Westminster |
| 15332 | " " " | No. 2 Bone Phosphate | Westminster |
| 15333 | " " " | No. 3 Bone Phosphate | Westminster |
| 15334 | " " " | P. A. & P | Westminster |
| 15335 | " " " | XX Bone Phosphate | Westminster |
| 15266 | Farmers' Fer. Co. of Union Bridge, Union Bridge, Md. | Union Bridge Favorite | Union Bridge |
| 15426 | J. W. Freeman, Great Mills, Md. | Crop Grower | Baltimore |
| 15442 | " " " | Freeman's Special | Baltimore |
| 15443 | " " " | No. 1 Tobacco Grower | Baltimore |
| 15267 | N. I. Gorsuch & Son, Westminster, Md. | Dissolved Raw Bone | Westminster |
| 15256 | Griffith & Boyd, Baltimore, Md. | Accomac Grower | Mataponi |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15389 | 2.13 | 2.00 | 2.02 | 2.00 | 1.50 | ..... | 8.51 | 8.00 | $18.59 | $17.00 |
| 15390 | 1.48 | 1.25 | 3.29 | 3.00 | 1.25 | ..... | 8.49 | 9.00 | 17.46 | 16.38 |
| 15425 | ..... | ..... | 3.06 | 3 00 | 0.75 | ..... | 12.11 | 12.00 | 12.90 | 12.60 |
| 15391 | 2.59 | 2.62½ | 2.37 | 2.50 | 1.05 | ..... | 10.70 | 10.00 | 22.56 | 21.69 |
| 15441 | 4.21a | 5.00 | 4.75 | 5.00 | 1.00 | ..... | 9.01 | 9.00 | 28.90 | 31.50 |
| 15392 | 3.33a | 5.00 | 5.72 | 5.00 | 0.30 | ..... | 5.37 | 5.00 | 22.87 | 27.50 |
| 15393 | 2.71 | 3.00 | 4.09 | 4.00 | 1.50 | ..... | 8.06 | 8.00 | 22.24 | 22.50 |
| 15255 | 0.85 | 1.00 | 2.01 | 2.00 | 0.59 | ..... | 12.02 | 10.00 | 14.73 | 15.50 |
| 15288 | 1.62 | 3.00 | 2.13 | 2.00 | 0.97 | ..... | 9.25 | 7.00 | 17.44 | 19.50 |
| 15289 | 1.77a | 2.50 | 4.87 | 2.00 | 0.67 | ..... | 9.31 | 8.00 | 20.65 | 18.75 |
| 15290 | 2.32a | 3.50 | 4.89 | 4.00 | 0.87 | ..... | 8.17 | 8.00 | 21.53 | 24.25 |
| 15330 | 0.87 | .50 | 2.04 | 2.00 | 0.57 | 1.00 | 6.89 | 7.00 | 10.71 | 9.55 |
| 15331 | 2.51 | 2.50 | 2.62 | 2.50 | 0.50 | 2.00 | 10.74 | 9.00 | 22.35 | 21.05 |
| 15332 | 1.86 | 2.00 | 2.31 | 2.50 | 0.40 | 1.00 | 11.65 | 9.00 | 20.63 | 18.90 |
| 15333 | 1.55 | 1.50 | 3.26 | 3.00 | 0.67 | 1.00 | 9.56 | 8 00 | 18.52 | 16.65 |
| 15334 | ..... | ..... | 3.12 | 3.00 | 0.20 | ..... | 11.51 | 11.00 | 12.37 | 11.80 |
| 15335 | 1.15 | 1.00 | 3.41 | 3.00 | 0.57 | 1.00 | 10.35 | 9.00 | 18.02 | 15.90 |
| 15266 | 1.01 | 1.00 | 2.52 | 2.00 | 1.35 | ..... | 9.42 | 8.00 | 16.02 | 13.50 |
| 15426 | 1.19a | 1.00 | 1.34 | 1.00 | 0.40 | 1.00 | 8.49 | 8.00 | 14.16 | 12.90 |
| 15442 | 1.04 | 1.00 | 2.46 | 2.00 | 0.50 | 1.50 | 9.59 | 9.00 | 15.89 | 15.10 |
| 15443 | 3.21 | 3.00 | 3.49 | 3.00 | 1.50 | 1.50 | 7.89 | 8.00 | 23.22 | 22.10 |
| 15267 | 1.43 | 1.40 | 2.81 | 2.25 | 1.55 | 1.00 | 8.19 | 7.00 | 16.63 | 14.55 |
| 15256 | 5.04a | 5.00 | 5.02 | 5.00 | 1.55 | ..... | 7.71 | 6.00 | 30.99 | 28.50 |

a. Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler when not the College.) |
|---|---|---|---|
| 15241 | Griffith & Boyd, Baltimore, Md. | Farmers' Potato Manure. | Baltimore..... |
| 15211 | " " " | Fish Bone and Potash.... | Baltimore..... |
| 15343 | " " " | Gem Phosphate..... | Two Johns..... |
| 15291 | " " " | Harvest Queen Phosphate. | Queen Anne..... |
| 15212 | " " " | H. G. Acid Phosphate.... | Baltimore..... |
| 15213 | " " " | Nitro Crop Feeder..... | Baltimore..... |
| 15242 | " " " | Original Super-Phosphate. | Baltimore..... |
| 15214 | " " " | Peerless Fertilizer..... | Baltimore..... |
| 15427 | " " " | Pure Dissolved Animal Bone. | Ellicott City ..... |
| 15336 | " " " | Pure Fine Ground Bone Meal. | Chase..... |
| 15394 | " " " | Royal Potash Guano..... | Baltimore..... |
| 15215 | " " " | 7% Guano..... | Baltimore..... |
| 15428 | " " " | Soft Ground Bone Meal .. | Baltimore..... |
| 15398 | " " " | Special Grain Grower.... | Chestertown..... |
| 15488 | " " " | Special Guano..... | Baltimore..... |
| 15216 | " " " | Spring Crop Grower..... | Baltimore..... |
| 15217 | " " " | Stable Manure Substitute. | Baltimore..... ... |
| 15485 | " " " | Valley Fertilizer..... | New Windsor..... |
| 15244 | " " " | Vegetable Bone..... | Baltimore..... |
| 15337 | " " " | X X Potash Manure..... | White Hall.. ..... |
| 15338 | Griffith & Turner Co., Baltimore, Md. | Ammoniated Alkaline Plant Food. | Reisterstown ..... |
| 15444 | " " " | Ammoniated Butchers' Bone Phosphate. | Baltimore..... |
| 15445 | " " " | Dissolved Bone..... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15241 | 1.15 | 1.00 | 8.30 | 9.00 | 1.45 | ..... | 9.52 | 8.00 | $22.43 | $20.50 |
| 15211 | 2.29 | 1.75 | 2.68 | 3.00 | 1.62 | ..... | 8.18 | 7.00 | 19.53 | 16.13 |
| 15343 | ..... | ..... | 3.59 | 3.00 | 1.52 | ..... | 7.90 | 6.50 | 10.21 | 8.20 |
| 15291 | 1.35 | 1.25 | 2.25 | 3.00 | 1.52 | ..... | 11.55 | 9.00 | 19.14 | 16.38 |
| 15212 | ..... | ..... | ..... | ..... | 0.50 | ..... | 14.14 | 14.00 | 11.31 | 11.20 |
| 15213 | 8.42a | 9.00 | 2.73 | 2.50 | ..... | ..... | ..... | ..... | 32.20 | 34.00 |
| 15242 | ..... | ..... | ..... | ..... | 0.87 | ..... | 13.89 | 12.00 | 11.11 | 9.60 |
| 15214 | 0.76 | 0.35 | 2.42 | 2.00 | 1.55 | ..... | 9.10 | 8.00 | 12.67 | 9.63 |
| 15427 | 2.99 | 2.50 | ..... | ..... | 2.92 | ..... | 10.09 | 10.00 | 21.73 | 18.75 |
| 15336 | 4.10 | 4.00 | ..... | ..... | 17.60* | 22.00* | ..... | ..... | 26.38 | ..... |
| 15394 | 1.01 | 1.00 | 4.50 | 4.00 | 1.00 | ..... | 9.50 | 8.00 | 17.94 | 15.50 |
| 15215 | 6.74a | 7.00 | 6.07 | 5.00 | 1.92 | ..... | 5.56 | 5.00 | 35.99 | 34.50 |
| 15428 | 2.85 | 3.00 | ..... | ..... | 12.10* | 11.00* | ..... | ..... | 18.98 | ..... |
| 15398 | ..... | ..... | 2.04 | 2.00 | 1.50 | ..... | 11.03 | 10.00 | 11.16 | 10.00 |
| 15488 | 1.78 | 2.25 | 3.47 | 5.00 | 0.67 | ..... | 12.08 | 9.00 | 22.05 | 21.88 |
| 15216 | 2.31 | 2.00 | 4.98 | 4.50 | 1.57 | ..... | 7.90 | 6.50 | 21.60 | 18.00 |
| 15217 | 2.27a | 3.00 | 4.36 | 4.00 | 1.45 | ..... | 8.56 | 5.00 | 21.45 | 19.50 |
| 15485 | 0.70 | 0.50 | 3.32 | 3.00 | 1.52 | ..... | 8.87 | 8.00 | 13.17 | 11.15 |
| 15244 | 3.79 | 3.00 | 5.68 | 7.00 | 1.67 | ..... | 8.95 | 8.00 | 28.57 | 25.50 |
| 15337 | ..... | ..... | 4.65 | 5.00 | 0.95 | ..... | 12.53 | 10.00 | 14.86 | 13.00 |
| 15333 | 0.58 | 1.00 | 2.15 | 1.50 | 1.85 | 1.00 | 8.72 | 6.50 | 11.53 | 11.90 |
| 15444 | 1.51 | 1.25 | 2.33 | 1.50 | 1.25 | 1.00 | 10.88 | 9.00 | 19.00 | 15.28 |
| 15445 | 2.33 | 2.00 | ..... | ..... | 2.52 | 1.00 | 7.81 | 9.00 | 16.98 | 16.40 |

a. Contains Nitrate of Soda.
* Total Phosphoric Acid.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler when not the College.) |
|---|---|---|---|
| 15339 | Griffith & Turner Co., Baltimore, Md. | H. G. Acid Phosphate.... | Reisterstown ..... |
| 15446 | " " " | Soft Ground Bone..... | Baltimore..... |
| 15447 | " " " | Special Mixture..... | Baltimore..... |
| 15340 | " " " | Special Potato Mixture... | Reisterstown ..... |
| 15640 | Hanway, Barnes & McComas, BelAir, Md. | H. & K. Ground Bone.... | Bel Air..... |
| 15641 | " " " | H. & K. Special Mixture. | Sharon..... |
| 15642 | " " " | H. & K. Standard High Grade. | Bel Air..... |
| 15725 | S. M. Hess & Bro., Philadelphia, Pa. | Alkaline Bone Phosphate. | Baltimore..... |
| 15500 | " " " | Ammoniated Bone Phosphate. | Baltimore..... |
| 15726 | " " " | Farmers' Cereal King.... | Baltimore..... |
| 9689 | " " " | Ground Bone ..... | Baltimore..... |
| 15501 | " " " | Keystone Bone Phosphate | Baltimore..... |
| 15727 | " " " | Peerless Phosphate..... | Baltimore..... |
| 15502 | " " " | Potato and Truck Manure | Baltimore..... |
| 15543 | " " " | Soluble Bone..... | Baltimore..... |
| 15544 | " " " | Soluble Bone and Potash. | Baltimore..... |
| 15503 | " " " | Special Compound..... | Baltimore..... |
| 15643 | " " " | Special Corn Manure.... | Childs..... |
| 15545 | " " " | Special Potato Manure... | Baltimore..... |
| 15546 | " " " | Special Top Dresser..... | Baltimore..... |
| 15644 | " " " | Wheat and Corn Special.. | Childs..... |
| 15645 | " " " | Wheat and Grass Manure | Union Mills..... |
| 15728 | The Hubbard Fertilizer Co., Baltimore, Md. | Climax Bone Super Phosphate. | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15339 | ..... | ..... | ..... | ..... | 0.47 | ..... | 14.40 | 14.00 | $11.52 | $11.20 |
| 15446 | 2.48 | 2.00 | ..... | ..... | 25.40* | 50.00† | ..... | ..... | 30.91 | ..... |
| 15447 | 0.65 | 0.50 | 2.37 | 2.00 | 1.32 | 1.00 | 9.15 | 8.00 | 12.23 | 10.35 |
| 15340 | 1.05 | 1.00 | 4.44 | 5.00 | 1.77 | ..... | 9.09 | 8.00 | 17.92 | 16.50 |
| 15640 | 3.25 | 3.00 | ..... | ..... | 23.85* | 22.00* | ..... | ..... | 31.43 | ..... |
| 15641 | 1.25 | 1.00 | 2.33 | 2.00 | 1.00 | ..... | 9.03 | 9.00 | 16.14 | 14.50 |
| 15642 | 1.88a | 2.00 | 3.20 | 3.00 | 1.15 | ..... | 8.41 | 8.00 | 18.65 | 18.00 |
| 15725 | ..... | ..... | 2.56 | 2.00 | 0.40 | 1.00 | 11.08 | 12.00 | 11.50 | 11.80 |
| 15500 | 2.23 | 2.00 | 2.21 | 2.00 | 1.62 | ..... | 8.79 | 8.00 | 19.46 | 17.00 |
| 15726 | ..... | ..... | 3.24 | 3.00 | 0.35 | ..... | 12.03 | 12.00 | 12.93 | 12.60 |
| 9689 | 4.25 | 4.00 | ..... | ..... | 20.04* | 20.00* | ..... | ..... | 28.63 | ..... |
| 15501 | 1.33 | 1.00 | 1.36 | 1.00 | 1.22 | 2.00 | 8.20 | 8.00 | 14.71 | 13.30 |
| 15727 | ..... | ..... | 5.02 | 5.00 | 0.40 | 1.00 | 12.08 | 12.00 | 14.76 | 14.80 |
| 15502 | 3.03a | 3.00 | 6.10 | 6.00 | 1.35 | ..... | 8.09 | 8.00 | 25.34 | 24.50 |
| 15543 | ..... | ..... | ..... | ..... | 0.75 | 1.00 | 14.35 | 14.00 | 11.48 | 11.20 |
| 15544 | ..... | ..... | 2.04 | 2.00 | 0.42 | 1.00 | 10.66 | 10.00 | 10.65 | 10.20 |
| 15503 | 1.21 | 1.00 | 4.25 | 4.00 | 0.92 | ..... | 8.04 | 8.00 | 16.90 | 15.50 |
| 15643 | 1.13a | 1.00 | 2.23 | 2.00 | 1.22 | 1.00 | 8.14 | 8.00 | 14.82 | 13.90 |
| 15545 | 4.03a | 4.00 | 6.46 | 7.00 | 1.30 | ..... | 8.07 | 8.00 | 29.16 | 29.00 |
| 15546 | 2.73 | 2.50 | ..... | ..... | 2.57 | ..... | 12.03 | 12.00 | 22.62 | 20.75 |
| 15644 | 1.17 | 1.00 | 2.27 | 2.00 | 1.07 | 1.00 | 9.05 | 8.00 | 15.85 | 13.90 |
| 15645 | 1.16a | 1.00 | 2.07 | 2.00 | 1.15 | 1.00 | 8.02 | 8.00 | 14.81 | 13.90 |
| 15728 | 1.30 | 1.00 | 4.21 | 4.00 | 0.87 | ..... | 7.15 | 7.00 | 16.25 | 14.50 |

a Contains Nitrate of Soda. * Total Phosphoric Acid. † Total Bone Phosphate.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler when not the College.) |
|---|---|---|---|
| 9670 | The Hubbard Fertilizer Co., Baltimore, Md | Columbia Gem Phosphate. | Baltimore..... |
| 15729 | " " " | Dissolved Bone..... | Baltimore..... |
| 15506 | " " " | Farmers' I. X. L. Phosphate. | Baltimore..... |
| 15507 | " " " | H. G. Soluble Tennessee Phosphate. | Baltimore..... |
| 15460 | " " " | H. G. Soluble Tennessee Phosphate. | Federalsburg ..... (E. R. Cohee.) |
| 15730 | " " " | Oriental Phosphate..... | Baltimore..... |
| 15744 | " " " | Royal Ensign for Early Market Vegetables. | Baltimore..... |
| 15731 | " " " | Soluble Bone and Potash.. | Baltimore..... |
| 15715 | " " " | Special Mixture of Bone and Potash. | Lewis Wharf..... |
| 15461 | " " " | Special Mixture of Bone and Potash. | Federalsburg.. .... (E. R. Cohee.) |
| 15716 | " " " | Standard Bone Superphosphate. | Elk Mills ..... |
| 15508 | " " " | Truckers' 5% Royal Seal Compound. | Baltimore..... |
| 15509 | " " " | Truckers' 7% Royal Seal Compound. | Baltimore..... |
| 15717 | " " " | Wheat Growers' Jewel... | Elk Mills ..... |
| 15646 | M. P. Hubbard & Co., Baltimore, Md. | Celebrated Bone Phosphate. | Cockeysville ..... |
| 15783 | " " " | Excelsior Bone Phosphate. | Baltimore..... |
| 15547 | " " " | Farmers' Acme Fertilizer. | Baltimore..... |
| 15548 | " " " | Fish Bone and Potash. Our new Discovery. | Baltimore..... |
| 15784 | " " " | Havana Special for Tobacco. | Baltimore..... |
| 15549 | " " " | Maryland Special Vegetable Grower. | Baltimore..... |
| 9693 | " " " | Old Economy. Best for the Money. | Baltimore..... |
| 15550 | " " " | S. C. Bone Phosphate.... | Baltimore..... |
| 15551 | " " " | 7% Bermunda Guano..... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 9670 | 1.13 | .50 | 1.73 | 1.00 | 2.00 | ..... | 8.38 | 8.00 | $ 14.87 | $ 9.15 |
| 15729 | 3.58 | 2.50 | ..... | ..... | 3.52 | ..... | 10.79 | 10.00 | 24.73 | 18 75 |
| 15506 | 2.02a | 2.00 | 2.38 | 2 00 | 1.72 | ..... | 8.69 | 8.00 | 18.83 | 17.00 |
| 15507 | ..... | ..... | ..... | ..... | 0.40 | ..... | 15.73 | 14.00 | 12.58 | 11.20 |
| 15460 | ..... | ..... | ..... | ..... | 0.40 | ..... | 15.67 | 14.00 | 12.54 | 11 20 |
| 15730 | 1.77a | 1.00 | 1.40 | 1.00 | 0.91 | ..... | 8.89 | 8.00 | 16.85 | 12.50 |
| 15744 | 2.76a | 3.00 | 4.57 | 4.00 | 0.70 | ..... | 8.51 | 8.00 | 23.02 | 22.50 |
| 15731 | ..... | ..... | 2.42 | 2.00 | 1.30 | ..... | 10.62 | 10.00 | 11.18 | 10.00 |
| 15715 | ..... | ..... | 3.82 | 4 00 | 1.35 | ..... | 9.31 | 10 00 | 11.54 | 12 00 |
| 15461 | .... | ..... | 4.17 | 4 00 | 0.67 | ..... | 11.03 | 10 00 | 13.12 | 12.00 |
| 15716 | 2.20 | 2 00 | 3.03 | 3.00 | 2.00 | ..... | 8.04 | 8.00 | 19.57 | 18 00 |
| 15508 | 5.18a | 5.00 | 5.47 | 5.00 | 1.25 | ..... | 6.06 | 6.00 | 30.16 | 28.50 |
| 15509 | 6.74a | 7.00 | 5.12 | 5.00 | 1.20 | ..... | 6.80 | 6.00 | 35.99 | 35.50 |
| 15717 | 2.34a | 1 50 | 2.48 | 2.00 | 1.20 | ..... | 7.61 | 9.00 | 18.76 | 16 25 |
| 15646 | 2.22 | 2.00 | 2.35 | 2.00 | 0.37 | ..... | 10.56 | 9 00 | 20.83 | 18.00 |
| 15783 | 0.81 | 1.00 | 3.47 | 2.00 | 1.35 | ..... | 9.17 | 8.00 | 13.92 | 13 50 |
| 15547 | 2.01 | 2.00 | 2.27 | 2 00 | 0.40 | ..... | 8.06 | 7.00 | 17.53 | 16.00 |
| 15548 | 0.45 | .25 | 1.71 | 1.00 | 0.75 | ..... | 6.60 | 6.00 | 8.87 | 6 68 |
| 15784 | 2.18 | 2.50 | 2.66 | 2.50 | 1.50 | ..... | 10.10 | 9.00 | 20.99 | 20.25 |
| 15549 | 4.76a | 5.00 | 4.71 | 5.00 | 0.30 | ..... | 8.44 | 7.00 | 29.93 | 29.50 |
| 9693 | 0.75 | 0.50 | 2.31 | 2.00 | 0.87 | ..... | 8.79 | 8.00 | 12.14 | 10.15 |
| 15550 | ..... | ..... | ..... | ..... | 0.15 | ..... | 13.27 | 14.00 | 10.61 | 11.20 |
| 15551 | 6.62a | 7.00 | 4.04 | 4.00 | 0.52 | ..... | 8.82 | 7.00 | 36.24 | 35.50 |

a. Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling, (and Sampler, when not the College.) |
|---|---|---|---|
| 9690 | M. P. Hubbard & Co., Baltimore, Md. | Soluble Bone and Potash for Wheat and Grass. | Baltimore..... |
| 15505 | " " " | Special Potato and Tomato Fertilizer. | Baltimore..... |
| 15552 | Wilbur W. Hubbard, Chestertown, Md. | Our Peerless Fertilizer... | Baltimore..... |
| 15553 | " " " | Our Special Potato Fertilizer. | Baltimore..... |
| 15785 | " " " | Special Mixture..... | Baltimore..... |
| 15510 | S. L. Lamberd Co., Baltimore, Md. | Boss Fertilizer..... | Baltimore..... |
| 15732 | Joshua Linthicum, Annapolis, Md. | Fish and Potash Mixture. | Baltimore..... |
| 15647 | Listers' Agr'l Chemical Works, Newark, N. J. | Alkaline Bone..... | Elkton..... |
| 15733 | " " " | Alkaline Bone, No. 1..... | Baltimore..... |
| 15648 | " " " | Bone Meal..... | Middle River..... |
| 15649 | " " " | Celebrated Ground Bone Acidulated. | Middle River..... |
| 15511 | " " " | G. Brand..... | Baltimore..... |
| 15512 | " " " | Harvest Queen Phosphate. | Baltimore..... |
| 15574 | " " " | Potato Manure..... | Mataponi..... |
| 15554 | " " " | Special Corn and Potato Fertilizer. | Baltimore..... |
| 15650 | " " " | Special Crop Producer.... | Middle River..... |
| 15513 | " " " | Special 10% Potato Fertilizer. | Baltimore..... |
| 15787 | " " " | Special Tobacco Fertilizer. | Baltimore..... |
| 15661 | " " " | Standard Pure Bone Super-Phosphate of Lime. | Middle River..... |
| 15601 | The Mapes Form. & Peruv. Guano Co., N. Y., N. Y. | Fruit and Vine Manure... | Goldsboro..... |
| 15735 | " " " | Vegetable Manure..... | Baltimore..... |
| 15555 | The D. B. Martin Co., Philadelphia, Pa. | Acid Phosphate..... | Baltimore..... |
| 15514 | " " " | Claremont Vegetable Grower. | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 9690 | ..... | ..... | 2.62 | 2.00 | 0.07 | 2.00 | 10.29 | 10.00 | $10.86 | $10.40 |
| 15505 | 1.74 | 2.00 | 6.11 | 5.00 | 0.15 | ..... | 8.63 | 7.00 | 20.89 | 19.00 |
| 15552 | 2.02a | 2.00 | 4.05 | 4.00 | 1.25 | ..... | 8.23 | 8.00 | 19.85 | 19.00 |
| 15553 | 3.03a | 3.00 | 6.28 | 5.00 | 0.87 | ..... | 7.50 | 7.00 | 24.74 | 22.50 |
| 15785 | 0.56 | ..... | 1.84 | ..... | 3.14 | ..... | 8.13 | ..... | 10.93 | ..... |
| 15510 | 2.70a | 2.00 | 4.23 | 4.50 | 1.57 | 1.00 | 7.77 | 6.50 | 22.08 | 18.40 |
| 15732 | 2.02 | 2.00 | 3.80 | 3.00 | 2.10 | 1.00 | 5.34 | 6.00 | 17.05 | 16.40 |
| 15647 | ..... | ..... | 2.13 | 2.00 | 0.40 | ..... | 10.57 | 10.00 | 10.67 | 10.00 |
| 15733 | ..... | ..... | 4.89 | 5.00 | 0.45 | ..... | 12.21 | 12.00 | 14.75 | 14.60 |
| 15648 | 4.40 | 3.25 | ..... | ..... | 25.25* | 23.00* | ..... | ..... | 31.98 | ..... |
| 15649 | 3.28 | 3.25 | ..... | ..... | 5.18 | ..... | 7.54 | 12.00 | 21.09 | 23.38 |
| 15511 | 1.11 | 1.00 | 4.03 | 4 00 | 0.79 | ..... | 8.02 | 8.00 | 16.26 | 15.50 |
| 15512 | 1.67 | 1.50 | 2.24 | 2.00 | 1.35 | ..... | 9.27 | 9.00 | 17.90 | 16.25 |
| 15574 | 4.03a | 4.00 | 6.53 | 7.00 | 1.02 | ..... | 8.21 | 8.00 | 29.26 | 29.00 |
| 15554 | 2.30 | 2.00 | 3.35 | 3.00 | 2.50 | ..... | 7.53 | 8.00 | 19.93 | 18.00 |
| 15650 | 1.17a | 1.00 | 1.28 | 1.00 | 1.12 | ..... | 7.34 | 7.00 | 13.17 | 11.50 |
| 15513 | 2.01a | 2.00 | 11.54 | 10.00 | 1.00 | ..... | 8.20 | 8.00 | 27.18 | 25.00 |
| 15787 | 2.66 | 2.50 | 3.57 | 3.00 | 1.50 | ..... | 7.74 | 8.00 | 21.22 | 19.75 |
| 15651 | 3.07a | 3.00 | 2.02 | 2.00 | 1.07 | ..... | 9.63 | 9.00 | 22.83 | 21.50 |
| 15601 | 2.46a | 2.00 | 10.80b | 10.00b | 3.10 | 1.00 | 5.20 | 5.00 | 28.01 | 24.40 |
| 15735 | 6.06a | 6.00 | 6.48b | 6.00b | 3.02 | 1.00 | 6.43 | 6.00 | 36.63 | 34.60 |
| 15555 | ..... | ..... | ..... | ..... | 0.55 | ..... | 14.13 | 14.00 | 11.30 | 11.20 |
| 15514 | 3.03a | 3.00 | 5.55 | 5.00 | 2.97 | ..... | 9.43 | 7.00 | 26.78 | 22.50 |

a. Contains Nitrate of Soda. * Total Phosphoric Acid. b. Contains Sulfate of Potash

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling, (and Sampler, when not the College.) |
|---|---|---|---|
| 15652 | The D. B. Martin Co., Philadelphia, Pa. | Corn and Cereal Special.. | Middle River..... |
| 15515 | " " " | Crop Producer..... | Baltimore..... |
| 15556 | " " " | Dissolved Organic Compound. | Baltimore..... |
| 15516 | " " " | Early Truck and Vegetable Grower. | Baltimore..... |
| 15653 | " " " | Gilt Edge Potato Manure. | Zion..... |
| 15462 | " " " | Kainit..... | Ridgely..... |
| 15654 | " " " | One, Eight and Four..... | Lineboro..... |
| 15557 | " " " | Pure Animal Bone and Potash. | Baltimore..... |
| 15620 | " " " | Pure Dissolved Animal Bone. | Silver Spring..... |
| 15517 | " " " | Pure Ground Bone..... .. | Baltimore..... |
| 15558 | " " " | Pure Raw Bone Meal.... | Baltimore..... |
| 15736 | " " " | 7% Guano. ..... | Baltimore..... |
| 15655 | " " " | Special Potato Manure... | Elkton..... |
| 15656 | " " " | Sure Grower..... | Zion..... |
| 15737 | F. Maynard, Baltimore, Md. | H. G. Trucker's Pride.... | Baltimore..... |
| 15657 | F. Mehring, Bruceville, Md. | Acid Phosphate..... | Bruceville..... |
| 15658 | " " " | Dissolved Raw Bone..... | Bruceville ..... |
| 15659 | " " " | General Crop Grower.... | Bruceville..... |
| 15660 | " " " | Twenty-Six Dollar Phosphate. | Bruceville..... |
| 15661 | The Miller Fertilizer Co., Baltimore. Md, | Ammoniated Dissolved Bone. | Forest Hill..... |
| 15630 | " " " | Buyer's Mixture..... | Keedysville ..... |
| 15738 | " " " | Clinch Phosphate Rock & Potash. | Baltimore..... |
| 15663 | " " " | Club Brand..... .... | Lineboro..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15652 | 1.82 | 2.00 | 2.25 | 2.00 | 2.32 | ..... | 9.64 | 8.00 | $19.19 | $17.00 |
| 15515 | 1.27 | 1.25 | ..... | ..... | 2.00 | ..... | 10.27 | 10.00 | 15.52 | 14.38 |
| 15556 | 1.37 | 1.00 | 2.50 | 2.00 | 1.02 | ..... | 10.28 | 9.00 | 17.99 | 14.50 |
| 15516 | 4.05a | 4.00 | 8.03 | 8.00 | 1.77 | ..... | 6.87 | 6.00 | 29.79 | 28.00 |
| 15653 | 3.20a | 3.00 | 10.65 | 10.00 | 2.27 | ..... | 7.23 | 7.00 | 29.99 | 27.50 |
| 15462 | .... | ..... | 12.79 | 12.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 15654 | 1.34 | 1.00 | 4.73 | 4.00 | 2.40 | ..... | 8.42 | 8.00 | 18.80 | 15.50 |
| 15557 | 2.02 | 2.00 | 2.27 | 2.50 | 19.80* | 16.00* | ..... | ..... | ..... | ..... |
| 15620 | 2.22 | 2.00 | ..... | ..... | 2.75 | ..... | 13.38 | 12.00 | 22.25 | 19.00 |
| 15517 | 2.30 | 2.00 | ..... | ..... | 24.60* | 22.90* | ..... | ..... | 28.82 | ..... |
| 15558 | 4.86 | 4 50 | ..... | ..... | 22.50* | 21.00* | ..... | ..... | 31.54 | ..... |
| 15736 | 5.16a | 7.00 | 5.12 | 5.00 | 1.05 | ..... | 6.66 | 6.00 | 30.26 | 35.50 |
| 15655 | 1.27 | 1.00 | 5.03 | 5.00 | 1.12 | ..... | 8.49 | 8.00 | 18.42 | 16.50 |
| 15656 | 1.16 | 1.00 | 1.28 | 1.00 | 1.87 | ..... | 10.10 | 8.00 | 16.19 | 12.50 |
| 15737 | 4.28a | 5.00 | 2.50 | 2.50 | 2.47 | ..... | 7.35 | 5.00 | 25.82 | 25.00 |
| 15657 | ..... | ..... | ..... | ..... | 3.10 | 1.00 | 15.87 | 15.00 | 12.70 | 12.00 |
| 15658 | 2.24 | 2.00 | ..... | ..... | 1.29 | 1.00 | 17.13 | 14.00 | 25.49 | 19.40 |
| 15659 | 1.18 | 1.00 | 1.47 | 1.25 | 3.75 | 1.00 | 12.08 | 11.00 | 19.18 | 16.15 |
| 15660 | 1.71 | 1.50 | 1.53 | 1.50 | 4.46 | 1.00 | 12.23 | 12.00 | 21.53 | 19.15 |
| 15661 | 2.03 | 2.00 | 1.94 | 2.00 | 1.50 | 1.50 | 8.67 | 8.00 | 18.32 | 17.60 |
| 15630 | 1.72 | ..... | 2.08 | ..... | .27 | ..... | 9.52 | ..... | 17.73 | ..... |
| 15738 | ..... | ..... | 2.23 | 2.00 | .25 | 2.00 | 10.59 | 10.00 | 10.75 | 10.40 |
| 15663 | .77 | .50 | 2.01 | 2.00 | .67 | ..... | 9.23 | 8.00 | 12.22 | 10.15 |

a Contains Nitrate of Soda. * Total Phosphoric Acid.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler, when not the College.) |
|---|---|---|---|
| 15662 | The Miller Fertilizer Co., Baltimore, Md. | Corn Fertilizer..... | Bradshaw..... |
| 15664 | " " " | Dissolved Raw Bone. .... | Bradshaw..... |
| 15665 | " " " | Ground Bone..... | Bradshaw..... |
| 15631 | " " " | Harvest Queen..... | Keedysville ..... |
| 15632 | " " " | Hustler Phosphate..... | Keedysville ..... |
| 15739 | " " " | McAfee's Potato Grower. | Baltimore..... |
| 15740 | " " " | McAfee's Standard Ammon. Bone Phosphate... | Baltimore..... |
| 15741 | " " " | McAfee's Top Dresser... | Baltimore..... |
| 9671 | " " " | McAfee's Truckers' Favorite. | Baltimore ..... |
| 15575 | " " " | No. 1 Potato and Vegetable Growers. | Snow Hill..... |
| 15559 | " " " | Potato & Vegetable Growers. | Baltimore..... |
| 15666 | " " " | S. C. Rock..... | Lineboro ..... |
| 15788 | " " " | Special Tobacco Growers. | Baltimore..... |
| 15742 | " " " | Special Tomato Grower... | Baltimore..... |
| 15576 | " " " | Standard Phosphate..... | Snow Hill..... |
| 15789 | " " " | W. G. Phosphate..... | Baltimore..... |
| 15560 | J. B. Nichols & Son, Baltimore, Md. | Farmer's Friend Guano. | Baltimore..... |
| 15701 | Nicodemus & Grimes, Monrovia, Md. | Sulivans S. S. S..... | Monrovia..... |
| 15745 | G. Ober & Sons Co., Baltimore, Md. | Avondale Ammoniated Dissolved Bone. | Baltimore..... |
| 15561 | " " " | † Dissolved Animal Bone | Baltimore..... |
| 15667 | " " " | Dissolved Animal Bone and Potash. | White Marsh..... |
| 15518 | " " " | Dissolved Bone Phosphate. | Baltimore..... |
| 15746 | " " " | Dissolved Bone Phosphate and Potash. | Baltimore..... |

† In Quarterly No. 31, this brand was marked as containing Nitrate of Soda which was an error.

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15662 | 1.08 | 1.00 | 3.12 | 3.00 | .40 | 1.50 | 7.08 | 7.00 | $14.14 | $14.10 |
| 15664 | 2.58 | 2.50 | .... | ..... | 2.05 | 2.00 | 12.28 | 11.00 | 22.13 | 20 55 |
| 15665 | 3.60 | 3.00 | ..... | ..... | 25.90* | 22.50* | ..... | ..... | 33.78 | ..... |
| 15631 | 1.50 | 1.25 | 3.22 | 2.75 | .77 | 1.50 | 9.03 | 9.00 | 17.81 | 16.73 |
| 15632 | 1.33a | 1.00 | 1.34 | 1.00 | .62 | 1 50 | 8.94 | 8.00 | 15.19 | 13 10 |
| 15739 | 1.80a | 1.50 | 4.17 | 4.00 | .80 | ..... | 9.24 | 9.00 | 20.03 | 18 25 |
| 15740 | 2.02a | 2.00 | 2.79 | 2.00 | 1.32 | ..... | 8.42 | 9.00 | 18.81 | 18.00 |
| 15741 | 5.02a | 5.00 | 3.53 | 2 50 | .25 | ..... | 5.22 | 4.00 | 26.42 | 24.00 |
| 9671 | 4.10a | 3.75 | 3.24 | 2.50 | 1.57 | ..... | 8.49 | 9.00 | 26.71 | 24.63 |
| 15575 | 4.65 | 4.50 | 6.86 | 7.00 | .27 | 1.50 | 8.74 | 8.00 | 31.99 | 31 35 |
| 15559 | 2.25 | 2 00 | 4.07 | 4.00 | .62 | 1 50 | 9.20 | 8.00 | 21.40 | 19 60 |
| 15666 | ..... | ..... | ..... | ..... | .35 | ..... | 14.47 | 14.00 | 11.58 | 11.20 |
| 15788 | 2.32 | 2 00 | 4.07 | 4.00 | 1.25 | 1.50 | 8.05 | 8 00 | 20.74 | 19.60 |
| 15742 | 2.03a | 2.00 | 2.58 | 2.00 | 1.25 | 1.50 | 8.01 | 8.00 | 18.20 | 17.60 |
| 15576 | 3.04a | 3.00 | 3.32 | 3.00 | .35 | 1.50 | 9.35 | 8.00 | 23.45 | 22.10 |
| 15789 | .65 | .50 | 1.26 | 1 00 | .50 | 1.50 | 7.26 | 7.00 | 9.45 | 8.65 |
| 15560 | 3.48a | 4.00 | 4.25 | 4.00 | 1.67 | ..... | 8.69 | 7.00 | 25.79 | 25.00 |
| 15701 | 2.03 | 2.00 | 2.95 | 2.00 | 2.03 | ..... | 8.87 | 9.00 | 19.74 | 18.00 |
| 15745 | 2.01a | 2.25 | 2.37 | 1.50 | 1.62 | 2.75 | 9.46 | 8.50 | 19.52 | 18.98 |
| 15561 | 3.02 | 3.00 | ..... | ..... | 3.41 | ..... | 11.99 | 10.00 | 23.92 | 20.50 |
| 15667 | 2.61 | 2.50 | 3.45 | 3.00 | 2.22 | ..... | 10.74 | 10.00 | 24.22 | 21.75 |
| 15518 | ..... | ..... | ..... | ..... | .22 | ..... | 16.44 | 14.00 | 13.15 | 11.20 |
| 15746 | .... | ..... | 2.11 | 2.00 | .40 | ..... | 11.79 | 11.00 | 11.62 | 10.80 |

* Total Phosphoric Acid.
a Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling, (and Sampler, when not the College.) |
|---|---|---|---|
| 15562 | G. Ober & Sons Co., Baltimore, Md. | Farmers' Mixture | Baltimore |
| 15519 | " " " | Farmers' Standard Ammoniated Phosphate. | Baltimore |
| 9668 | " " " | Fish and Potash Fertilizer. | Baltimore |
| 15520 | " " " | Fish Bone and Potash Mixture. | Baltimore |
| 15747 | " " " | Independent Ammoniated Super-Phosphate. | Baltimore |
| 9691 | " " " | Princeton Complete Compound. | White Marsh |
| 15748 | " " " | Pure Bone Meal | Baltimore |
| 15790 | " " " | Pure Raw Bone Meal | Baltimore |
| 15749 | " " " | Soluble Ammoniated Super-Phosphate of Lime. | Baltimore |
| 15791 | " " " | Special Compound for Tobacco. | Baltimore |
| 15521 | " " " | Special Plant Food | Baltimore |
| 9692 | " " " | Special Tobacco Fertilizer 10%. | Baltimore |
| 15750 | " " " | Standard Potash Compound. | Baltimore |
| 9695 | " " " | Standard Southern Vegetable Fertilizer. | Baltimore |
| 15668 | Patapsco Guano Co., Baltimore, Md. | Baltimore Soluble Phosphate. | Cockeysville |
| 15792 | " " " | Blood, Bone and Potash for all Crops. | Baltimore |
| 15563 | " " " | Coon Brand Guano | Baltimore |
| 15751 | " " " | Corn and Tomato Fertilizer. | Baltimore |
| 15781 | " " " | Corn and Potato Fertilizer. | Crumpton |
| 15475 | " " " | Dissolved Raw Bone | Cambridge (J. Kurt.) |
| 15523 | " " " | Early Trucker | Baltimore |
| 15702 | " " " | Fish Guano | Choptank |
| 9672 | " " " | Grain and Grass Producer. | Baltimore |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15562 | 1.55 | 1.00 | 2.79 | 2.00 | 1.42 | ..... | 9.69 | 9.00 | $18.48 | $14.50 |
| 15519 | 2.02 | 2.00 | 2.47 | 2.00 | 1.87 | ..... | 10.36 | 9.00 | 20.65 | 18.00 |
| 9668 | 2.50a | 2.00 | 2.50 | 2.00 | .70 | ..... | 10.57 | 9.00 | 22.10 | 18.00 |
| 15520 | 3.26a | 3.25 | 2.95 | 3.50 | 1.20 | ..... | 9.97 | 8.00 | 24.81 | 22.88 |
| 15747 | 1.01 | 1.00 | 1.71 | 1.00 | 1.51 | ..... | 11.13 | 8.00 | 16.98 | 12.50 |
| 9691 | 2.01a | 2.00 | 6.24 | 4.00 | 1.20 | ..... | 10.04 | 8.00 | 23.80 | 19.00 |
| 15748 | 3.50 | 3.00 | ..... | ..... | 23.88* | 23.00* | ..... | ..... | 31.88 | ..... |
| 15790 | 4.90 | 4.00 | ..... | ..... | 21.92* | 21.00* | ..... | ..... | 30.06 | ..... |
| 15749 | 2.40a | 2.00 | 2.82 | 2.00 | .37 | ..... | 11.50 | 8.00 | 22.87 | 17.00 |
| 15791 | 3.45a | 3.00 | 3.90 | 3.00 | 1.90 | ..... | 9.19 | 8.00 | 25.93 | 21.50 |
| 15521 | 2.02a | 2.00 | 4.56 | 5.00 | 1.80 | ..... | 10.81 | 9.00 | 23.16 | 21.00 |
| 9692 | 9.03a | 10.00 | 3.70 | 3.00 | .65 | 1.00 | 6.92 | 4.00 | 42.49 | 42.40 |
| 15750 | ..... | ..... | 5.33 | 5.00 | 1.40 | ..... | 12.98 | 12.00 | 15.99 | 14.60 |
| 9695 | 6.04a | 7.00 | 6.32 | 5.00 | 1.04 | ..... | 7.79 | 6.00 | 35.67 | 35.50 |
| 15668 | ..... | ..... | 2.11 | 2.00 | .45 | ..... | 10.47 | 11.00 | 10.58 | 10.80 |
| 15792 | .75 | .50 | 2.11 | 2.00 | .98 | ..... | 8.01 | 8.00 | 11.35 | 10.15 |
| 15563 | 1.27 | 1.00 | 3.14 | 3.00 | .92 | ..... | 9.03 | 9.00 | 16.99 | 15.50 |
| 15751 | 1.60 | 1.50 | 2.15 | 2.00 | 1.42 | ..... | 8.26 | 9.00 | 16.58 | 16.25 |
| 15781 | 2.25 | 2.00 | 4.38 | 4.00 | 1.35 | ..... | 7.56 | 8.00 | 20.36 | 19.00 |
| 15475 | 2.75 | 2.50 | ..... | ..... | 2.70 | ..... | 12.14 | 12.50 | 22.85 | 21.25 |
| 15523 | 5.03a | 5.00 | 5.39 | 5.00 | 1.45 | ..... | 7.13 | 7.00 | 30.71 | 29.50 |
| 15702 | 2.99 | 2.00 | 2.89 | 2.00 | 1.13 | ..... | 6.03 | 6.00 | 19.84 | 15.00 |
| 9672 | 1.15 | 1.00 | 4.32 | 4.00 | 1.12 | ..... | 7.82 | 8.00 | 16.62 | 15.50 |

a Contains Nitrate of Soda.
* Total Phosphoric Acid.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling, (and Sampler, when not the College.) |
|---|---|---|---|
| 15752 | Patapsco Guano Co., Baltimore, Md. | H. G. Bone and Potash. | Baltimore |
| 15753 | " " " | Peninsula Potash Mixture. | Baltimore. |
| 15754 | " " " | Phospho Potash. | Baltimore |
| 15577 | " " " | Pure Dissolved S. C. Bone. | Snow Hill |
| 15669 | " " " | Pure Ground Bone | Cockeysville |
| 15578 | " " " | Sea Gull Guano | Snow Hill |
| 15602 | " " " | Soluble Bone and Potash. | Snow Hill |
| 15524 | " " " | Tobacco and Potato Fertilizer. | Baltimore |
| 15793 | " " " | Tobacco Fertilizer | Baltimore |
| 9673 | Piedmont Mt. Airy Guano Co., Baltimore, Md. | Dissolved Animal Bone. | Baltimore |
| 15564 | " " " | Economy | Baltimore |
| 15525 | " " " | Fish Guano | Baltimore. |
| 15526 | " " " | Garden Truck Fertilizer. | Baltimore |
| 15621 | " " " | Henderson's Special Mixture. | Germantown |
| 15527 | " " " | Insula Guano for Corn, Oats and Other Crops. | Baltimore |
| 15670 | " " " | Leverings' Ammoniated Bone. | Aberdeen |
| 15671 | " " " | Leverings' Excelsior | Fallston |
| 9694 | " " " | Leverings' Harvest Queen | Baltimore |
| 9674 | " " " | Leverings' I. X. L. Crop Grower. | Baltimore |
| 15599 | " " " | Leverings' Standard | Berwyn |
| 15703 | " " " | Peerless Phosphate. | Tuscarora |
| 15603 | " " " | Perfection Guano | Downes |
| 15579 | " " " | Piedmont Early Trucker. | Snow Hill |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15752 | ..... | ..... | 5.04 | 5.00 | 0.40 | ..... | 10.04 | 11.00 | $13.15 | $14.80 |
| 15753 | ..... | ..... | 4.81 | 5.00 | 0.25 | ..... | 12.52 | 12.00 | 14.88 | 14.60 |
| 15754 | ..... | ..... | 3.03 | 3.00 | 0.20 | 1.00 | 7.34 | 6.00 | 8.94 | 8.00 |
| 15577 | ..... | ..... | ..... | ..... | 0.17 | ..... | 14.48 | 14.00 | 11.58 | 11.20 |
| 15669 | 4.37 | 4.50 | ..... | ..... | 22.00* | 45.00† | ..... | ..... | 30.40 | ..... |
| 15578 | 1.30a | 1.00 | 2.19 | 1.00 | 0.95 | ..... | 8.93 | 8.00 | 16.05 | 12.50 |
| 15602 | ..... | ..... | 2.06 | 2.00 | 0.45 | ..... | 10.67 | 10.00 | 10.69 | 10.00 |
| 15524 | 2.05a | 2.00 | 4.24 | 4.00 | 1.09 | ..... | 8.04 | 8.00 | 19.90 | 19.00 |
| 15793 | 3.03 | 3.00 | 3.37 | 3.00 | 1.72 | ..... | 8.82 | 9.00 | 23.49 | 22.50 |
| 9673 | 2.36 | 2.50 | ..... | ..... | 0.50 | 2.00 | 10.72 | 10.00 | 19.18 | 19.55 |
| 15564 | 0.60a | 0.25 | 2.35 | 2.00 | 0.57 | ..... | 10.43 | 10.00 | 12.90 | 10.88 |
| 15525 | 2.02a | 2.00 | 2.35 | 2.00 | 1.57 | ..... | 7.50 | 8.00 | 17.55 | 17.00 |
| 15526 | 4.01a | 4.00 | 3.35 | 3.00 | 2.17 | ..... | 8.88 | 8.00 | 27.14 | 25.00 |
| 15621 | 0.63a | 0.62½ | 4.59 | 5.00 | 0.55 | ..... | 11.75 | 11.85 | 16.31 | 16.67 |
| 15527 | 0.77a | 0.50 | 3.18 | 2.00 | 0.75 | ..... | 7.73 | 7.00 | 12.21 | 9.35 |
| 15670 | 1.14a | 1.00 | 3.03 | 3.00 | 0.40 | ..... | 9.66 | 9.00 | 16.84 | 15.50 |
| 15671 | 1.10a | 1.00 | 1.40 | 1.00 | 1.12 | ..... | 7.33 | 8.00 | 13.03 | 12.50 |
| 9694 | 1.46a | 1.00 | 3.61 | 2.00 | 1.04 | ..... | 7.62 | 8.00 | 16.76 | 13.50 |
| 9674 | ..... | ..... | 2.97 | 2.00 | 0.50 | ..... | 10.04 | 10.00 | 11.10 | 10.00 |
| 15599 | 2.02a | 2.00 | 3.45 | 3.00 | 1.45 | ..... | 8.32 | 8.00 | 19.42 | 18.00 |
| 15703 | 2.05a | 1.00 | 2.97 | 1.50 | 1.47 | 2.00 | 5.88 | 8.00 | 16.62 | 13.80 |
| 15603 | 1.71a | 2.00 | 4.67 | 5.00 | 1.07 | ..... | 8.67 | 8.00 | 19.76 | 20.00 |
| 15579 | 4.57a | 5.00 | 5.66 | 5.00 | 1.42 | ..... | 8.30 | 8.00 | 30.52 | 30.50 |

* Total Phosphoric Acid.
† Total Bone Phosphate.
a. Contains Nitrate of Soda.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling, (and Sampler, when not the College.) |
|---|---|---|---|
| 15605 | Piedmont Mt. Airy Guano Co., Baltimore, Md. | Piedmont Farmer's H. G. Bone and Potash. | Pocomoke City.... |
| 15604 | " " " | Piedmont Farmer's Favorite. | Queen Anne..... |
| 15794 | " " " | Piedmont Guano for Tobacco. | Baltimore..... |
| 15580 | " " " | Piedmont H. G. S. C. Bone. | Berlin..... |
| 15633 | " " " | Piedmont Pennsylvania Potato Producer. | Hagerstown..... |
| 15672 | " " " | Piedmont Plow Brand.... | Fallston..... |
| 15528 | " " " | Piedmont Potato Producer. | Baltimore..... |
| 15634 | " " " | Piedmont Royal Ammoniated Bone and Potash. | Hagerstown..... |
| 15718 | " " " | Piedmont Wheat Compound. | Cordova..... |
| 15673 | " " " | Pure Raw Bone Mixture. | Owings Mills..... |
| 9675 | " " " | Raw Bone Meal..... | Baltimore..... |
| 15756 | " " " | Special Crop Grower..... | Baltimore..... |
| 15757 | " " " | Special Farmer's Tobacco Guano. | Baltimore..... |
| 15565 | " " " | Special Potato Mixture.. | Baltimore..... |
| 15606 | " " " | Special Truck Fertilizer.. | Pocomoke City.... |
| 15758 | The Pollock Fertilizer Co., Baltimore, Md. | Accomac Trucker..... | Baltimore..... |
| 15674 | " " " | Ammoniated Bone..... | Conowingo..... |
| 9676 | " " " | Crop Invigorator..... | Baltimore..... |
| 15582 | " " " | Dissolved Bone and Potash. | Newark..... |
| 15529 | " " " | Dissolved S. C. Bone..... | Baltimore..... |
| 15759 | " " " | Early Truck Guano..... | Baltimore..... |
| 15795 | " " " | Ground Animal Bone..... | Baltimore..... |
| 15796 | " " " | Owl Brand Guano..... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15605 | ..... | ..... | 2.77 | 2.00 | .91 | ..... | 9.06 | 10.00 | $10.20 | $10.00 |
| 15604 | 1.02a | 1.00 | 3.72 | 4.00 | 1.10 | ..... | 9.29 | 8.00 | 17.02 | 15.50 |
| 15794 | 2.52a | 2.50 | 3.86 | 3.00 | .70 | ..... | 8.03 | 8.00 | 20.99 | 19.75 |
| 15580 | ..... | ..... | ..... | ..... | .32 | ..... | 15.44 | 14.00 | 12.35 | 11.20 |
| 15633 | 2.22a | 2.00 | 8.45 | 10.00 | 1.07 | ..... | 7.12 | 6.00 | 23.77 | 23.00 |
| 15672 | 2.03a | 2.00 | 2.61 | 2.00 | 1.20 | ..... | 8.60 | 8.00 | 13.80 | 17.00 |
| 15528 | 3.02 | 3.00 | 5.49 | 6.00 | 1.17 | ..... | 6.91 | 5.00 | 23.44 | 21.50 |
| 15634 | 1.39 | 1.30 | 3.43 | 3.00 | 1.02 | 1.00 | 6.14 | 6.00 | 14.85 | 13.95 |
| 15718 | ..... | ..... | 3.70 | 5.00 | .25 | ..... | 12.41 | 12.00 | 13.68 | 14.60 |
| 15673 | 1.26 | 1.25 | 2.70 | 2.00 | 2.25 | ..... | 8.02 | 8.00 | 16.03 | 14.38 |
| 9675 | 5.00 | 4.00 | ..... | ..... | 20.40* | 40.00† | ..... | ..... | 31.66 | ..... |
| 15756 | ..... | ..... | 2.88 | 3.00 | .50 | ..... | 6.50 | 6.00 | 8.18 | 7.80 |
| 15757 | 2.68a | 3.00 | 4.32 | 4.00 | 1.30 | ..... | 9.49 | 8.40 | 23.71 | 22.90 |
| 15565 | ..... | ..... | 5.86 | 5.00 | .25 | ..... | 10.57 | 10.00 | 14.37 | 13.00 |
| 15606 | 7.08a | 7.00 | 5.04 | 5.00 | 1.22 | ..... | 6.72 | 6.00 | 37.03 | 35.50 |
| 15758 | 5.03 | 5.00 | 5.33 | 5.00 | 1.25 | 1.00 | 7.96 | 7.00 | 31.40 | 29 90 |
| 15674 | 2.14 | 2.00 | 2.06 | 2.00 | 1.65 | 1.00 | 8.97 | 8.00 | 19.18 | 17.40 |
| 9676 | 1.18 | 1.00 | 4.25 | 4.00 | .89 | 10.00 | 7.80 | 8.00 | 16.54 | 19.50 |
| 15582 | ..... | ..... | 4.17 | 4.00 | .17 | 1.00 | 10.13 | 10.00 | 12.30 | 12.20 |
| 15529 | ..... | ..... | ..... | ..... | .20 | 1.00 | 15.28 | 14.00 | 12.22 | 11.20 |
| 15759 | 6.52a | 8.00 | 5.35 | 5.00 | 1.95 | 1.00 | 6.80 | 7.00 | 35.75 | 40.40 |
| 15795 | 4.60 | 4.00 | ..... | ..... | 22.28* | 22.00* | ..... | ..... | 31.08 | ..... |
| 15796 | .64 | .50 | 2.27 | 1.50 | 2.15 | 1.00 | 6.52 | 7.00 | 10.16 | 9.05 |

a. Contains Nitrate of Soda.
* Total Phosphoric Acid.
† Total Bone Phosphate.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler when not the College.) |
|---|---|---|---|
| 15797 | The Pollock Fertilizer Co., Baltimore, Md. | Soft Ground Bone | Baltimore |
| 15583 | " " " | Soluble Bone Phosphate | Newark |
| 15566 | " " " | Special Tobacco and Potato Fertilizer. | Baltimore |
| 15719 | " " " | Superior Corn and Tomato Fertilizer. | Cambridge |
| 15581 | " " " | Superior Corn and Tomato Fertilizer. | Newark |
| 15622 | Ramsburg Fertilizer Co., Frederick, Md. | Alkaline Phosphate | Germantown |
| 15623 | " " " | Ammoniated Bone Phosphate. | Germantown |
| 15704 | " " " | Corn and Potato Fertilizer. | Middetown |
| 15705 | " " " | Dissolved Bone Super-Phosphate. | Frederick |
| 15624 | " " " | Excelsior Plant Food | Germantown |
| 15712 | " " " | Old Virginia Compound | Frederick |
| 15798 | Rasin-Monumental Co., Baltimore, Md. | Best Wheat and Grass Producer. | Baltimore |
| 15607 | " " " | Early Trucker's Special | Pocomoke City |
| 15567 | " " " | Empire Guano | Baltimore |
| 15799 | " " " | Formula 44 Tobacco Fertilizer. | Baltimore |
| 9660 | " " " | General Tobacco Grower. | Baltimore |
| 15530 | " " " | Gold Standard | Baltimore |
| 15608 | " " " | Rasin's Acid Phosphate | Princess Anne |
| 15625 | " " " | Rasin's Bone and Potash Fertilizer. | Germantown |
| 15626 | " " " | Rasin's Dissolved Bone | Silver Spring |
| 15609 | " " " | Rasin's Irish Potato Special | Princess Anne |
| 15610 | " " " | Rasin's I X L Fertilizer | Pocomoke City |
| 15675 | " " " | Rasin's National Crop Compound. | Hampstead |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15797 | 3.16 | 3.00 | ..... | ..... | 15.13* | 14.00* | ..... | ..... | $22.37 | $..... |
| 15583 | ..... | ..... | 2.02 | 2.00 | 0.25 | 1.00 | 10.75 | 10.00 | 10.67 | 10 20 |
| 15566 | 2.16 | 2.00 | 4.13 | 4.00 | 0.80 | 1.00 | 7.79 | 8.00 | 19.71 | 19.40 |
| 15719 | 1.10 | 1.00 | 2.62 | 2.00 | 0.74 | 1.00 | 8.05 | 8.00 | 14.82 | 13.90 |
| 15581 | 1.24a | 1.00 | 2.15 | 2.00 | 0.90 | 1.00 | 8.36 | 8.00 | 15.21 | 13.90 |
| 15622 | ..... | ..... | 1.73 | 2.00 | 1.95 | 2.00 | 10.56 | 10.00 | 10.57 | 10.40 |
| 15623 | 1.15 | 1.00 | 1.67 | 2.00 | 3.20 | 2 00 | 11.30 | 10.00 | 18.28 | 16.30 |
| 15704 | 1.68 | 1.50 | 1.69 | 2.00 | 3.76 | 2.00 | 10.03 | 8.00 | 19.10 | 16 05 |
| 15705 | ..... | ..... | ..... | ..... | 2.50 | 2.00 | 14.03 | 14.00 | 11.22 | 11.20 |
| 15624 | 2.07a | 2.00 | 1.82 | 2.00 | 2.65 | ..... | 10.01 | 9.00 | 20.14 | 18.00 |
| 15712 | 1.54 | 1.50 | 1.57 | 2.00 | 3.67 | 2.00 | 9.97 | 9.00 | 18.40 | 17.05 |
| 15798 | 1.50 | 1.00 | 3.10 | 3.00 | 3.12 | 1.00 | 9.76 | 8.00 | 19.36 | 14.90 |
| 15607 | 5.55a | 5.00 | 5.43b | 5.00b | 0.95 | 1.00 | 6.72 | 6.00 | 33.05 | 29.90 |
| 15567 | 2.14 | 2.00 | 2.91 | 2.00 | 0.52 | 1.50 | 9.30 | 8.00 | 19.91 | 17.60 |
| 15799 | 3.60a | 3.10 | 3.26b | 3.20b | 2.85 | 3.00 | 7.81 | 7.00 | 25.46 | 22.89 |
| 9660 | 2.02 | 2.00 | 3.08 | 3.00 | 3.55 | ..... | 9.12 | 8.00 | 20.69 | 18.00 |
| 15530 | 3.90 | 3.00 | 6.13 | 6.00 | 1.20 | 1.00 | 6.74 | 6 00 | 27.00 | 22.90 |
| 15608 | ..... | ..... | ..... | ..... | 0.47 | 1.00 | 15.79 | 14.00 | 12.63 | 11 20 |
| 15625 | ..... | ..... | 2.54 | 2.00 | 1.45 | 1.00 | 10.01 | 10.00 | 10.84 | 10.20 |
| 15626 | 1.64 | 2.00 | ..... | ..... | 4.10 | ..... | 10.80 | 10.00 | 18.18 | 17.00 |
| 15609 | 4.03a | 4.00 | 6.90b | 8.00b | 2.15 | 1.00 | 8.02 | 7.00 | 31.27 | 31.00 |
| 15610 | 1.45 | 1.00 | 3.88 | 3.00 | 0.60 | 1.00 | 9.87 | 9.00 | 19.07 | 15.90 |
| 15675 | 1.40 | 1.00 | 4.63 | 4.00 | 1.65 | 1.00 | 10.00 | 8.00 | 20.19 | 15.90 |

* Total Phosphoric Acid.
a Contains Nitrate of Soda.
b Contains Sulfate of Potash.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling, (and Sampler, when not the College.) |
|---|---|---|---|
| 15611 | Rasin-Monumental Co., Baltimore, Md. | Rasins' Special Bone and Potash. | Princess Anne..... |
| 15612 | " " " | Rasins' Standard Tomato Grower. | Princess Anne..... |
| 15531 | " " " | Special Fish and Potash Mixture. | Baltimore..... |
| 15635 | " " " | Special Formula for Corn and Buckwheat. | Cumberland..... |
| 15568 | " " " | Special Formula for Corn and Tomatoes. | Baltimore..... |
| 9677 | " " " | Special for Vines and Vegetables. | Baltimore..... |
| 15532 | " " " | Truck Guano..... | Baltimore..... |
| 15614 | " " " | Trucker's Mixture..... | Princess Anne..... |
| 15676 | " " " | Wheat Corn and Oats Mixture. | Hampstead..... |
| 15600 | " " " | Wm. Penn Crop Grower.. | Laurel..... |
| 15569 | " " " | X. X. X. Fertilizer..... | Baltimore..... |
| 15584 | Redden Paradee & Co., Pocomoke City, Md. | Special Potato Guano .... | Mataponi..... |
| 15615 | W. E. Robinson, Vale, Md. | Tomato and Wheat Fertilizer. | Stockton ..... |
| 15677 | " " " | Special Mixture... ..... | Pylesville..... |
| 15678 | The Scott Fertilizer Co., Elkton, Md. | Bush River Compound... | Aberdeen ..... |
| 15679 | " " " | Corn and Oats Grower... | Zion..... |
| 15680 | " " " | Potato and Truck Special. | Childs..... |
| 15720 | " " " | Pure Ground Bone ..... | Childs..... |
| 15681 | " " " | Sure Growth Compound.. | Childs..... |
| 15682 | " " " | Sure Growth Super-Phosphate. | Childs..... |
| 15683 | " " " | Tip Top and Potash..... | North East..... |
| 15721 | " " " | Tip Top Soluble Bone.... | Rising Sun..... |
| 15760 | C. F. Smith, Ridgely, Md. | Smith's Spring Trucker.. | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15611 | ..... | ..... | 5.68b | 5.00b | 1.47 | 1.00 | 11.04 | 10.00 | $15.94 | $ 14.20 |
| 15612 | 1.35 | 1.00 | 5.47 | 5.00 | 2.14 | ..... | 7.07 | 7.00 | 18.13 | 15.50 |
| 15531 | 2.46 | 2.00 | 3.78 | 3.00 | 1.87 | 1.00 | 6.24 | 6.00 | 19.38 | 16.40 |
| 15635 | ..... | ..... | 3.72 | 3.00 | 2.32 | 1.00 | 6.06 | 6.00 | 9.03 | 8.00 |
| 15568 | ..... | ..... | 3.55 | 3.00 | 1.60 | 1.00 | 6.56 | 6.00 | 9.12 | 8.00 |
| 9677 | 1.03 | 1.00 | 7.62 | 8.00 | 1.05 | ..... | 9.61 | 8.00 | 21.26 | 19.50 |
| 15532 | 4.44a | 4.00 | 2.58 | 2.00 | .65 | 1.00 | 7.27 | 7.00 | 25.65 | 23.40 |
| 15614 | 7.20a | 7.00 | 5.33 | 5.00 | 1.98 | ..... | 6.95 | 6.00 | 38.27 | 35 50 |
| 15676 | .77 | .50 | 2.33 | 2.00 | 2.17 | 1.00 | 9.38 | 8 00 | 12.96 | 10.35 |
| 15600 | 1.59 | 1.00 | 1.63 | 1.00 | 3.10 | 1.00 | 8.11 | 8.00 | 16.55 | 12 90 |
| 15569 | 2.17 | 2.00 | 6.28 | 5.00 | .65 | 1.50 | 8.82 | 8.00 | 22.96 | 20.60 |
| 15584 | 4.01a | 4.00 | 4.09 | 4.00 | .75 | ..... | 6.66 | 6.00 | 25.09 | 24.00 |
| 15615 | 1.81a | 2.00 | 2.35 | 2.00 | .90 | ..... | 8.22 | 8.00 | 17.28 | 17.00 |
| 15677 | 2.22 | 2.00 | 3.70 | 5.00 | .95 | ..... | 9.04 | 8.00 | 20.89 | 20.00 |
| 15678 | 4.06a | 4.00 | 8.32 | 7.00 | .95 | ..... | 8.14 | 7.00 | 31.05 | 28.00 |
| 15679 | .77 | .50 | 3.08 | 2.00 | 1.40 | ..... | 9.55 | 8.00 | 13.70 | 10.15 |
| 15680 | 2.42 | 2.00 | 5.80 | 5.00 | 2.55 | ..... | 8.64 | 7.00 | 23.93 | 19.00 |
| 15720 | 5.10 | 4.00 | ..... | ..... | 21.30* | 22.00* | ..... | ..... | 30.00 | ..... |
| 15681 | 4.03a | 4.00 | 7.43 | 7.00 | 1.02 | ..... | 8.26 | 7.00 | 30.21 | 28.00 |
| 15682 | 2.29 | 2.00 | 3.78 | 3.00 | 1.85 | ..... | 10.38 | 10.00 | 22.92 | 20.00 |
| 15683 | ..... | ..... | 2.17 | 2.00 | 1.25 | ..... | 12.65 | 11.00 | 12.54 | 10.80 |
| 15721 | ..... | ..... | ..... | ..... | 1.27 | ..... | 15.02 | 14.00 | 12.02 | 11.20 |
| 15760 | 3.39a | 3.00 | 5.47 | 5.00 | 1.30 | ..... | 7.55 | 8.00 | 25.41 | 23 50 |

b. Contains Sulfate of Potash.
a. Contains Nitrate of Soda.
* Total Phosphoric Acid.

| No. | Name and address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler, when not the College.) |
|---|---|---|---|
| 15685 | Smith, Rouse & Webster, Bel Air, Md. | Dissolved Bone | Aberdeen |
| 15684 | " " " | Formula No. 1 Corn and Tomato Grower. | Aberdeen |
| 15686 | " " " | Ground Bone | Belcamp |
| 9678 | Southern Fertilizer Co., Chanceford, Pa. | Dissolved Bone Phosphate | Baltimore |
| 9679 | " " " | Farmer's Mixture | Baltimore |
| 15706 | " " " | Ox Brand Bone and Potash Mixture. | Loys |
| 15761 | Standard Guano Co., Baltimore, Md. | Granger | Baltimore |
| 15762 | " " " | The Trucker | Baltimore |
| 15707 | Geo. W. Stockdale, Thurmont, Md. | Ammoniated Super Phosphate. | Thurmont |
| 15636 | J. W. Stonebraker & Son, Hagerstown, Md. | Bone Meal | Hagerstown |
| 15687 | W. H. Street & Co., Fallston, Md. | Ammoniated Dissolved Bone. | Fallston |
| 15459 | " " " | High Grade Bone Phosphate. | Fork (J. W. B. Clayton.) |
| 15688 | " " " | High Grade Bone Phosphate. | Bel Air |
| 9661 | H. S. Taveau & Co., Baltimore, Md. | Allerton Guano | Baltimore |
| 15764 | " " " | Dissolved S. C. Bone | Baltimore |
| 9680 | " " " | Florida Phosphate | Baltimore |
| 15766 | " " " | Pride of Maryland | Baltimore |
| 9662 | " " " | Pride of Virginia | Baltimore |
| 15765 | " " " | Special Compound | Baltimore |
| 15637 | D. A. Thomas, Hagerstown, Md. | Dissolved Bone Phosphate | Hagerstown |
| 15638 | " " " | Excelsior Fertilizer | Hagerstown |
| 15639 | " " " | Golden Sheaf | Hagerstown |
| 15585 | Wm. B. Tilghman Co., Salisbury, Md. | Fish Bone and Potash Mixture | Newark |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15685 | 2.68 | 2 50 | ..... | ..... | 2.17 | 2.00 | 13.28 | 11.00 | $23.53 | $20.55 |
| 15684 | 2.25a | 2.00 | 2.66 | 2.00 | 1.92 | 1.50 | 8.19 | 9.00 | 19.50 | 18.60 |
| 15686 | 4.70 | 4.50 | ..... | ..... | 21.05* | 21.00* | ..... | ..... | 30.00 | ..... |
| 9678 | ..... | ..... | ..... | ..... | .52 | ..... | 13.84 | 14.00 | 11.07 | 11.20 |
| 9679 | ..... | ..... | 2.29 | 2.00 | .82 | ..... | 10.04 | 10.00 | 10.48 | 10.00 |
| 15706 | ..... | ..... | 2.19 | 2.00 | .90 | ..... | 8.22 | 8.00 | 8.95 | 8.40 |
| 15761 | 2.50 | 2.00 | 1.47 | 2.00 | 1.15 | 1.00 | 7.20 | 8.00 | 17.88 | 17.40 |
| 15762 | 4.30a | 4.00 | 4.34 | 5.00 | 1.50 | 1.00 | 7.02 | 7.00 | 27.01 | 26.40 |
| 15707 | 1.16 | 1.00 | 2.26 | 2.25 | 1.20 | ..... | 10.28 | 9.00 | 17.08 | 14.75 |
| 15636 | 5.12 | 4.50 | ..... | ..... | 20.02* | 20.00* | ..... | ..... | 33.08 | ..... |
| 15687 | 1.74 | 1.50 | 2.35 | 2.00 | .85 | 1.50 | 9.01 | 9.00 | 17.79 | 16 85 |
| 15459 | 2.40 | 2.50 | 4.01 | 3.00 | .50 | 1.50 | 9.14 | 8.00 | 21.75 | 20.35 |
| 15688 | 2.53 | 2.50 | 3.28 | 3.00 | 1.60 | 1.50 | 8.05 | 8.00 | 20.83 | 20.35 |
| 9661 | 2.13 | 2.00 | 2.56 | 2.50 | 1.20 | ..... | 8.91 | 9.00 | 19.41 | 18.50 |
| 15764 | ..... | ..... | ..... | ..... | .45 | ..... | 14.09 | 14.00 | 11.27 | 11.20 |
| 9680 | ..... | ..... | ..... | ..... | .55 | ..... | 14.85 | 14.00 | 11.88 | 11.20 |
| 15766 | 1.12 | 1.00 | 2.68 | 2.50 | .75 | ..... | 9.40 | 10.00 | 16.30 | 16.00 |
| 9662 | ..... | ..... | 3.30 | 2.50 | .82 | ..... | 11.20 | 12.00 | 12.42 | 12.10 |
| 15765 | ..... | ..... | 2.09 | 2.00 | .47 | ..... | 10.48 | 10.00 | 10.56 | 10.00 |
| 15637 | ..... | ..... | ..... | ..... | 1.60 | ..... | 14.58 | 14.00 | 11.66 | 11.20 |
| 15638 | 2.19 | 2.00 | 4.87 | 4.50 | 2.97 | ..... | 8.76 | 8.00 | 22.49 | 19.50 |
| 15639 | 1.08 | 1.00 | 1.47 | 1.00 | 1.72 | ..... | 7.21 | 8.00 | 13.15 | 12.50 |
| 15585 | .94 | 1.00 | 2.25 | 2.00 | .55 | ..... | 11.09 | 10.00 | 16.85 | 15.50 |

a. Contai ns Nitrate of Soda.
* Total Phos phoric Acid.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler when not the College. |
|---|---|---|---|
| 15616 | William B. Tilghman Co., Salisbury, Md. | Fish Mixture | Salisbury |
| 9696 | " " " | Mixture B | Stockton |
| 15587 | " " " | Standard Fish Mixture | Newark |
| 15617 | E. W. Truitt & Co., Salisbury, Md. | Fish Mixture X. X. | Salisbury |
| 15613 | " " " | H. G. Trucker | Salisbury |
| 15769 | Turner & Son, Betterton, Md. | Truck Guano | Baltimore. |
| 15770 | " " " | X. X. Tomato, Potato and Truck Fertilizer. | Baltimore. |
| 15533 | Tuscarora Fertilizer Co., Baltimore, Md. | Alkaline | Baltimore. |
| 15689 | " " " | Animal Bone | Belcamp |
| 15534 | " " " | Big (4) Four | Baltimore. |
| 15708 | " " " | Bone and Potash | Henderson |
| 15535 | " " " | Fruit and Potato | Baltimore. |
| 15782 | " " " | Garden | Kennedyville |
| 15709 | " " " | Special Crop Grower | Henderson |
| 15536 | " " " | Sure Growth | Baltimore. |
| 9682 | " " " | Tomato Grower | Baltimore. |
| 9683 | " " " | Trucker | Baltimore. |
| 15537 | " " " | York State Special | Baltimore. |
| 15690 | The J. E. Tygert Co., Philadelphia, Pa. | Ammoniated Super-Phosphate. | Childs |
| 15771 | " " " | Early Truck Guano | Baltimore. |
| 15588 | " " " | Golden Harvest Phosphate. | Snow Hill |
| 15589 | " " " | Golden Rule Potato Guano. | Snow Hill. |
| 15772 | " " " | Potato Guano | Baltimore. |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15616 | 2.03 | 2.00 | 2.38 | 2.00 | 1.37 | ..... | 9.04 | 8.00 | $19.08 | $17.00 |
| 9696 | 3.57a | 4.00 | 4.32 | 3.00 | 1.61 | ..... | 8.58 | 8.00 | 26.04 | 25.00 |
| 15587 | 2.29 | 2.50 | 2.22 | 2.00 | 0.65 | ..... | 9.50 | 8.00 | 20.00 | 18.75 |
| 15617 | 2.52 | 2.50 | 2.29 | 2.00 | 0.70 | 2.00 | 8.37 | 8.00 | 19.76 | 19.55 |
| 15613 | 4.01a | 4.00 | 3.61 | 3.00 | 1.30 | 2.00 | 7.11 | 7.00 | 25.28 | 24.80 |
| 15769 | 2.37a | 1.00 | 2.62 | 2.00 | 0.90 | ..... | 8.03 | 8.00 | 19.31 | 13.50 |
| 15770 | 2.14 | 2.00 | 4.42 | 4.00 | 1.60 | ..... | 7.58 | 7.00 | 20.13 | 18.00 |
| 15533 | ..... | ..... | 5.31 | 5.00 | 0.92 | ..... | 10.81 | 10.00 | 14.14 | 13.00 |
| 15689 | 3.25 | 3.00 | ..... | ..... | 24.05* | 24.00* | ..... | ..... | 30.29 | ..... |
| 15534 | 2.11a | 2.00 | 4.23 | 4.00 | 1.02 | ..... | 8.03 | 7.00 | 20.06 | 18.00 |
| 15708 | ..... | ..... | 2.09 | 2.00 | 0.52 | ..... | 10.49 | 10.00 | 10.58 | 10.00 |
| 15535 | 2.58a | 2.00 | 8.92 | 10.00 | 0.70 | ..... | 9.02 | 8.00 | 27.25 | 25.00 |
| 15782 | 3.60a | 3.50 | 4.77 | 4.00 | 0.80 | ..... | 8.46 | 8.00 | 26.15 | 24.25 |
| 15709 | 1.20 | 1.00 | 2.81 | 2.00 | 1.35 | ..... | 8.39 | 8.00 | 15.94 | 13.50 |
| 15536 | 0.68 | 0.50 | 3.57 | 3.00 | 0.87 | ..... | 8.53 | 8.00 | 12.94 | 11.15 |
| 9682 | 2.01 | 2.00 | 2.75 | 2.00 | 1.47 | ..... | 8.41 | 8.00 | 18.79 | 17.00 |
| 9683 | 5.36a | 5.00 | 7.87b | 7.00b | 1.32 | ..... | 8.24 | 8.00 | 36.97 | 33.90 |
| 15537 | 1.28 | 1.00 | 4.05 | 4.00 | 1.82 | 1.00 | 8.02 | 8.00 | 17.28 | 15.90 |
| 15690 | 1.55a | 1.00 | 1.88 | 1.50 | 1.63 | ..... | 8.17 | 6.00 | 16.13 | 11.00 |
| 15771 | 4.02 | 4.00 | 2.27 | 2.00 | 1.63 | 1.00 | 7.44 | 6.00 | 24.43 | 22.40 |
| 15588 | 0.65a | 0.50 | 2.11 | 2.00 | 1.02 | 1.00 | 8.22 | 8.00 | 11.17 | 10.35 |
| 15589 | 2.02a | 2.00 | 5.03 | 5.00 | 1.07 | 1.00 | 7.44 | 7.00 | 19.97 | 19.40 |
| 15772 | 2.66a | 2.50 | 6.46 | 7.00 | 1.65 | 1.00 | 6.88 | 7.00 | 23.31 | 23.15 |

a. Contains Nitrate of Soda.
*. Total Phosphcric Acid.
b. Contains Sulfate of Potash.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler, when not the College.) |
|---|---|---|---|
| 15590 | The J. E. Tygert Co., Philadelphia, Pa. | Standard Bone Phosphate. | Snow Hill |
| 15591 | " " " | 10% Sweet Potato Guano. | Snow Hill |
| 15592 | " " " | Tomato Fertilizer | Snow Hill |
| 15593 | " " " | Victor Bone and Potash | Snow Hill |
| 15713 | J. Tyson & Sons, Frederick, Md. | Special Mixture | Frederick |
| 15538 | Virginia-Carolina Chemical Co., Richmond, Va. | Corn and Buckwheat Special. | Baltimore |
| 9663 | " " " | Dissolved Bone | Baltimore |
| 15540 | " " " | 14% Acid Phosphate | Baltimore |
| 15570 | " " " | National Ammoniated Guano. | Baltimore |
| 9664 | " " " | Peerless Bone and Potash. | Baltimore |
| 9685 | " " " | Royal Fish Bone and Potash. | Baltimore |
| 15539 | " " " | Fish Bone and Potash | Baltimore |
| 15594 | " " " | Seven Per Cent Truck Guano. | Snow Hill |
| 15773 | " " " | Special Potato Mixture | Baltimore |
| 15595 | " " " | Standard Bone and Potash. | Snow Hill |
| 9686 | " " " | Standard Corn and Grain Grower. | Baltimore |
| 15541 | " " " | Standard Crop Grower | Baltimore |
| 9665 | " " " | Standard Tomato Grower. | Baltimore |
| 9666 | " " " | Truckers' Special | Baltimore |
| 15774 | S. L. Webster & Son, Cambridge, Md. | Ammoniated Bone Phosphate, No. 1. | Baltimore |
| 15722 | " " " | Ammoniated Bone Phosphate, No. 2. | Secretary |
| 15710 | " " " | Bone and Potash | Two Johns |
| 15723 | " " " | Fish Mixture | Trappe |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15590 | 2.10 | 2 00 | 2.68 | 2.00 | 2.00 | 1.00 | 8.06 | 8.00 | $18.89 | $17.40 |
| 15591 | 1.88 | 1.50 | 10.01 | 10.00 | 1.22 | 1.00 | 7.05 | 7.00 | 24.13 | 22.65 |
| 15592 | 2.05a | 2.00 | 5.08 | 5.00 | 1.07 | 1.00 | 7.59 | 7.00 | 20.28 | 19.40 |
| 15593 | 1.16a | 1.00 | 4.44 | 4.00 | 1.00 | 1.00 | 8.31 | 8.00 | 17.21 | 15.90 |
| 15713 | 1.66 | 1.00 | 1.45 | 1.00 | 1.42 | ..... | 8.11 | 8.00 | 15.94 | 12 50 |
| 15538 | ..... | ..... | 3.68 | 3.00 | 2.00 | 1.00 | 6.10 | 6.00 | 8.96 | 8.00 |
| 9663 | 2.15 | 2 00 | ..... | ..... | 5.00 | ..... | 9.82 | 10.00 | 19.35 | 17.00 |
| 15540 | ..... | ..... | ..... | ..... | 1.85 | 1.00 | 15.05 | 14.00 | 12.04 | 11.20 |
| 15570 | 0.87 | 1.00 | 4.38 | 4.00 | 1.12 | ..... | 7.77 | 8.00 | 13.87 | 15.50 |
| 9664 | ..... | ..... | 2.35 | 2.00 | 1.71 | ..... | 9.61 | 8.00 | 10.38 | 8.40 |
| 9685 | 2.01 | 2.00 | 3.28 | 3.00 | 3.02 | ..... | 9.67 | 8.00 | 21.20 | 18.00 |
| 15539 | 1.77 | 2.00 | 3.04 | 3.00 | 1.72 | ..... | 11.25 | 8.00 | 21.18 | 18.00 |
| 15594 | 6.42a | 7 00 | 5.66 | 5.00 | 1.32 | ..... | 6.98 | 6.00 | 35.64 | 35.50 |
| 15773 | 4.02a | 4 00 | 9.27b | 8.00b | 1.37 | ..... | 6.57 | 6.00 | 32.31 | 29.60 |
| 15595 | ..... | ..... | 2.48 | 2.00 | 1.67 | ..... | 10.68 | 10.00 | 11.35 | 10.00 |
| 9686 | 0.72 | 0.50 | 2.97 | 2.00 | 2.30 | ..... | 7.81 | 8.00 | 12.20 | 10.15 |
| 15541 | 2.12 | 2.00 | 3.15 | 2.00 | 0.40 | 1.50 | 9.02 | 8.00 | 19.75 | 17.60 |
| 9665 | 1.11 | 1.00 | 5.12 | 5.00 | 2.10 | ..... | 7.72 | 7.00 | 17.57 | 15.50 |
| 9666 | 5.14a | 5.00 | 5.68b | 5.00b | 1.00 | ..... | 6.91 | 6.00 | 32.12 | 29.50 |
| 15774 | 2.62 | 2.50 | 3.65 | 2.50 | 4.67 | ..... | 8.08 | 10.00 | 22.77 | 21.25 |
| 15722 | 2.17 | 2 00 | 2.09 | 2.00 | 4.20 | ..... | 8.04 | 8.00 | 19.41 | 17.00 |
| 15710 | ..... | ..... | 2.31 | 2.00 | 1.12 | ..... | 10.76 | 10.00 | 11.14 | 10.00 |
| 15723 | 2.08 | 1.50 | 3.08 | 2.00 | 2.22 | ..... | 5.89 | 8.00 | 17.14 | 15.25 |

a. Contains Nitrate of Soda.
b. Contains Sulfate of Potash.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling (and Sampler, when not the College.) |
|---|---|---|---|
| 15711 | S. L. Webster & Son, Cambridge, Md. | Old Dorset Ammoniated Bone Fertilizer. | Two Johns..... |
| 15691 | Westminster Fertilizer Co., Westminster, Md. | Governor..... | Westminster..... |
| 15692 | " " " | Leader..... | Westminster..... |
| 15693 | " " " | Super A..... | Westminster..... |
| 15694 | Harry W. Whistler, Fountain Green, Md. | Crop Grower..... | Van Bibber..... |
| 15481 | " " " | Crop Grower..... | Forest Hill..... |
| 15695 | " " " | Dissolved Animal Bone... | Bel Air..... |
| 15696 | " " " | Pure Bone Meal..... | Bel Air..... |
| 15618 | F. M. Wilson & Co., Pocomoke City, Md. | Favorite Truck Fertilizer. | Pocomoke City.... |
| 15619 | " " " | Peninsula Ammoniated Super-Phosphate. | Pocomoke City.... |
| 15724 | The Rob't A. Wooldridge Co., Baltimore, Md. | Champion Giant Phosphate. | Singerly..... |
| 15775 | " " " | Chieftain Bone Stock Phosphate. | Baltimore..... |
| 15571 | " " " | Double-Quick Fertilizer.. | Baltimore..... |
| 15452 | " " " | Dried Ground Fish..... | Stockton..... |
| 15776 | " " " | Farmers' Favorite Cereal Compound. | Baltimore..... |
| 15454 | " " " | Florida Acid Phosphate.. | Stockton..... |
| 15697 | " " " | German Potash Mixture.. | White Hall..... |
| 15572 | " " " | Golden Crown..... .... | Baltimore..... |
| 15698 | " " " | Liberty Bell Potash Mixture. | White Hall..... |
| 15455 | " " " | Muriate of Potash..... | Stockton..... |
| 15699 | " " " | Old Sledge Phosphate.... | White Hall..... |
| 9688 | " " " | Pure Raw Bone..... | Baltimore..... |
| 15573 | " " " | Special Potato Fertilizer. | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15711 | 1.02 | 0.50 | 4.25 | 4.00 | 1.97 | 2.00 | 6.61 | 6 00 | $15.22 | $10.95 |
| 15691 | 1.96 | 1.50 | 2.83 | 2.50 | 1.20 | ..... | 9.37 | 9.00 | 19.54 | 16.75 |
| 15692 | 1.17 | 1.00 | 2.05 | 1.50 | 0.97 | ..... | 9.20 | 8.00 | 15.74 | 13 00 |
| 15693 | 1.08 | 0.75 | 1.36 | 1.00 | 1.47 | ..... | 8.49 | 8.00 | 14.22 | 10.03 |
| 15694 | 1.40 | 1.50 | 2.83 | 2.00 | 1.32 | ..... | 10.03 | 8.00 | 18.29 | 15.25 |
| 15481 | 1.54a | 1.50 | 2.11 | 2.00 | 2.95 | ..... | 8.35 | 8.00 | 17.03 | 15.25 |
| 15695 | 2.02 | 2.00 | ..... | ..... | 2.87 | ..... | 13.42 | 12.00 | 21.64 | 19.00 |
| 15696 | 2.15 | 2.00 | ..... | ..... | 26.60* | 22.90* | ..... | ..... | 30.70 | ..... |
| 15618 | 2.78 | 3.00 | 7.46 | 6.00 | 0.42 | ..... | 8.25 | 9.00 | 25.61 | 25.50 |
| 15619 | 1.50 | 1.00 | 2.46 | 1.50 | 0.37 | ..... | 10.52 | 12.00 | 18.38 | 17.00 |
| 15724 | 1.20 | 1.00 | 2.13 | 2.00 | 0.92 | 1.50 | 9.15 | 9.00 | 15.85 | 15.10 |
| 15775 | 2.12 | 2.00 | 2.06 | 2.00 | 1.50 | 1.50 | 8.29 | 8.00 | 18.37 | 17.60 |
| 15571 | 2.70 | 2.50 | 3.66 | 3.00 | 0.91 | 2.00 | 7.68 | 9.00 | 21.15 | 21.55 |
| 15452 | 11.06 | 10.00 | ..... | ..... | 6.88* | ..... | ..... | ..... | 37.31 | 30.00 |
| 15776 | 0.67 | 0.50 | 2.29 | 2.00 | 0.55 | ..... | 7.77 | 7.00 | 10.97 | 9.35 |
| 15454 | ..... | ..... | ..... | ..... | 0.55 | 1.00 | 14.05 | 14.00 | 11.24 | 11.20 |
| 15697 | ..... | ..... | 2.03 | 2.00 | 0.65 | 1.00 | 10.41 | 10.00 | 10.49 | 10.20 |
| 15572 | 7.04a | 7.00 | 5.45 | 5.00 | 1.67 | 1.00 | 6.59 | 6.00 | 37.35 | 35.90 |
| 15698 | ..... | ..... | 2.83 | 3.00 | 0.52 | 1.00 | 12.74 | 12.00 | 13.12 | 12.80 |
| 15455 | ..... | ..... | 48.79 | 50.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 15699 | ..... | ..... | 5.39 | 5.00 | 0.41 | 1.00 | 11.82 | 12.00 | 14.93 | 14.80 |
| 9688 | 4.61 | 4.00 | ..... | ..... | 22.78* | 45.00† | ..... | ..... | 31.25 | ..... |
| 15573 | 2.19 | 2.00 | 5.41 | 5.00 | 0.87 | 1.50 | 9.03 | 9.00 | 22.46 | 21.60 |

a. Contains Nitrate of Soda.
*. Total Phosphoric Acid.
†. Total Bone Phosphate.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling, (and Sampler, when not the College.) |
|---|---|---|---|
| 15453 | The Robt. A. Wooldridge Co., Baltimore, Md. | Sulfate of Ammonia. .... | Stockton ..... |
| 15596 | " " " | Sweep Stakes Sure Shot Truck Phosphate. | Stockton ..... |
| 15597 | " " " | Triumph Pure Bone Phosphate. | Stockton..... |
| 15777 | The Wooldridge Orchilla Co., Baltimore, Md. | Bizzy Bee Ammonia and Potash Phosphate | Baltimore..... |
| 9667 | " " " | Cyclone..... | Baltimore. ..... |
| 15627 | " " " | Faultless Ammon., Bone Phosphate | Germantown..... |
| 15778 | " " " | F. F. V., Flesh and Fish Vegetator. | Baltimore..... |
| 15779 | " " " | Old Hickory Phosphate,.. | Baltimore..... |
| 15628 | " " " | Orchilla Guano..... | Germantown..... |
| 15780 | " " " | Searchlight Garden and Truck Phosphate. | Baltimore..... |
| 15542 | " " " | Tiger Bone Stock Phosphate. | Baltimore..... |
| 15629 | " " " | Virginia Belle Potash Mixture. | Germantown..... |


# THE MARYLAND AGR

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For Catalogue and other information, Address,

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble. | | Available. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 15453 | 25.15 | 24.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 15596 | 3.02a | 3.00 | 7.42 | 8.00 | 1.62 | 1.00 | 8.26 | 7.00 | $26.90 | $25.90 |
| 15597 | 1.74 | 1.50 | 4.17 | 4.00 | 1.30 | 2.00 | 8.02 | 8.00 | 18.80 | 18.05 |
| 15777 | 1.20a | 1 00 | 1.42 | 1.00 | 0.65 | 1.00 | 7.21 | 7.00 | 13.09 | 11.90 |
| 9667 | 2.82 | 3.00 | 3.16 | 3 00 | 0.75 | 2.00 | 8.02 | 8.00 | 21.35 | 22.30 |
| 15627 | 2.15a | 2.00 | 2.13 | 2.00 | 1.45 | 2.00 | 8.02 | 8.00 | 18.26 | 17.80 |
| 15778 | 3.72 | 3.00 | 7.95 | 7.00 | 0.67 | 1.50 | 6.69 | 7.00 | 27.93 | 25.10 |
| 15779 | 1.38a | 1.00 | 2.77 | 2.50 | 0.87 | 1.50 | 8.45 | 8.00 | 16.40 | 14.60 |
| 15628 | .... | ..... | ..... | ..... | 13.10 | 13.00 | 7.75 | 4.00 | 11.44 | 8.40 |
| 15780 | 4.94 | 4 50 | 6.87 | 7.00 | 0.52 | 2.00 | 8.28 | 8.00 | 32.65 | 31 55 |
| 15542 | 1.28a | 1.25 | 4.59 | 4.50 | 0.95 | 1.50 | 8.98 | 8.00 | 18.43 | 17.48 |
| 15629 | ..... | ..... | 2.62 | 3.00 | 1.75 | 1.00 | 12.05 | 12 00 | 12.61 | 12 80 |

a. Contains Nitrate of Soda.


# ICULTURAL COLLEGE

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IN ALL COURSES.

per Year. Fall Term opens September 20, 1906.

September 18th and 19th.

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R. W. SILVESTER, President, College Park, Md.

## *Table Showing Mechanical Analysis of Bone.*

*(The Chemical Analysis is Given in the Preceding Table.)*

| No. | NAME AND ADDRESS OF MANUFACTURER. | NAME OF FERTILIZER. | Fine Less than 1-50 inch. | Fine-Medium 1-25 to 1-50 inch. | Medium 1-25 to 1-12 inch. | Coarse Larger than 1-12 inch. |
|---|---|---|---|---|---|---|
| 15258 | American Agricultural Chemical Co., New York, N. Y. | Fine Ground Bone | 33 | 35 | 30 | 2 |
| 15259 | American Agricultural Chemical Co., New York, N. Y. | Pure Ground Bone | 56 | 22 | 21 | 1 |
| 15227 | Armour Fertilizer Works, Baltimore, Md. | Bone Meal | 58 | 30 | 11 | 1 |
| 15409 | Armour Fertilizer Works, Baltimore, Md. | Raw Bone Meal | 31 | 37 | 32 | 0 |
| 15240 | Baugh & Sons Co., Baltimore, Md. | Raw Bone Meal | 50 | 46 | 4 | 0 |
| 15326 | The Berg Co., Philadelphia, Pa. | Raw Bone | 44 | 41 | 15 | 0 |
| 15307 | The Bryant Fertilizer Co., Alexandria, Va. | Fine Ground Raw Bone | 33 | 35 | 32 | 0 |
| 15336 | Griffith & Boyd, Baltimore, Md. | Pure Fine Ground Bone Meal | 40 | 40 | 16 | 4 |
| 15428 | Griffith & Boyd, Baltimore, Md. | Soft Ground Bone Meal | 56 | 27 | 15 | 2 |
| 15446 | Griffith & Turner Co., Baltimore, Md. | Soft Ground Bone | 70 | 20 | 10 | 0 |
| 15640 | Hanway, Barnes & McComas, Bel Air, Md. | K. & K. Ground Bone | 71 | 19 | 8 | 2 |
| 9689 | S. M. Hess & Bro., Philadelphia, Pa. | Ground Bone | 43 | 29 | 25 | 3 |
| 15648 | Listers Agricultural Chemical Works, Newark, N. J. | Bone Meal | 29 | 34 | 37 | 0 |
| 15517 | The D. B. Martin Co., Philadelphia, Pa. | Pure Ground Bone | 61 | 25 | 13 | 1 |
| 15558 | The D. B. Martin Co., Philadelphia, Pa. | Pure Raw Bone Meal | 33 | 35 | 30 | 2 |
| 15665 | The Miller Fertilizer Co., Baltimore, Md. | Ground Bone | 59 | 27 | 14 | 0 |
| 15748 | G. Ober & Sons Co., Baltimore, Md. | Pure Bone Meal | 62 | 25 | 12 | 1 |
| 15790 | G. Ober & Sons Co., Baltimore, Md. | Pure Raw Bone Meal | 29 | 40 | 14 | 17 |
| 15669 | Patapsco Guano Co., Baltimore, Md. | Pure Ground Bone | 39 | 32 | 28 | 1 |
| 9675 | Piedmont Mt. Airy Guano Co., Baltimore, Md, | Raw Bone Meal | 44 | 34 | 22 | 0 |
| 15795 | The Pollock Fertilizer Co., Baltimore, Md | Ground Animal Bone | 36 | 34 | 30 | 0 |
| 15797 | The Pollock Fertilizer Co., Baltimore, Md. | Soft Ground Bone | 54 | 27 | 17 | 2 |
| 15720 | The Scott Fertilizer Co., Elkton, Md. | Pure Ground Bone | 29 | 37 | 34 | 0 |
| 15686 | Smith, Rouse & Webster, Bel Air, Md. | Ground Bone | 28 | 44 | 28 | 0 |
| 15636 | J. W. Stonebraker & Son, Hagerstown, Md. | Bone Meal | 50 | 45 | 5 | 0 |
| 15689 | Tuscarora Fertilizer Co., Baltimore, Md. | Animal Bone | 55 | 26 | 15 | 4 |
| 15696 | H.W.Whistler, Fountain Green, Md. | Pure Bone Meal | 65 | 26 | 8 | 1 |
| 9688 | The Robert A. Wooldridge Co., Baltimore, Md. | Pure Raw Bone | 36 | 31 | 32 | 1 |